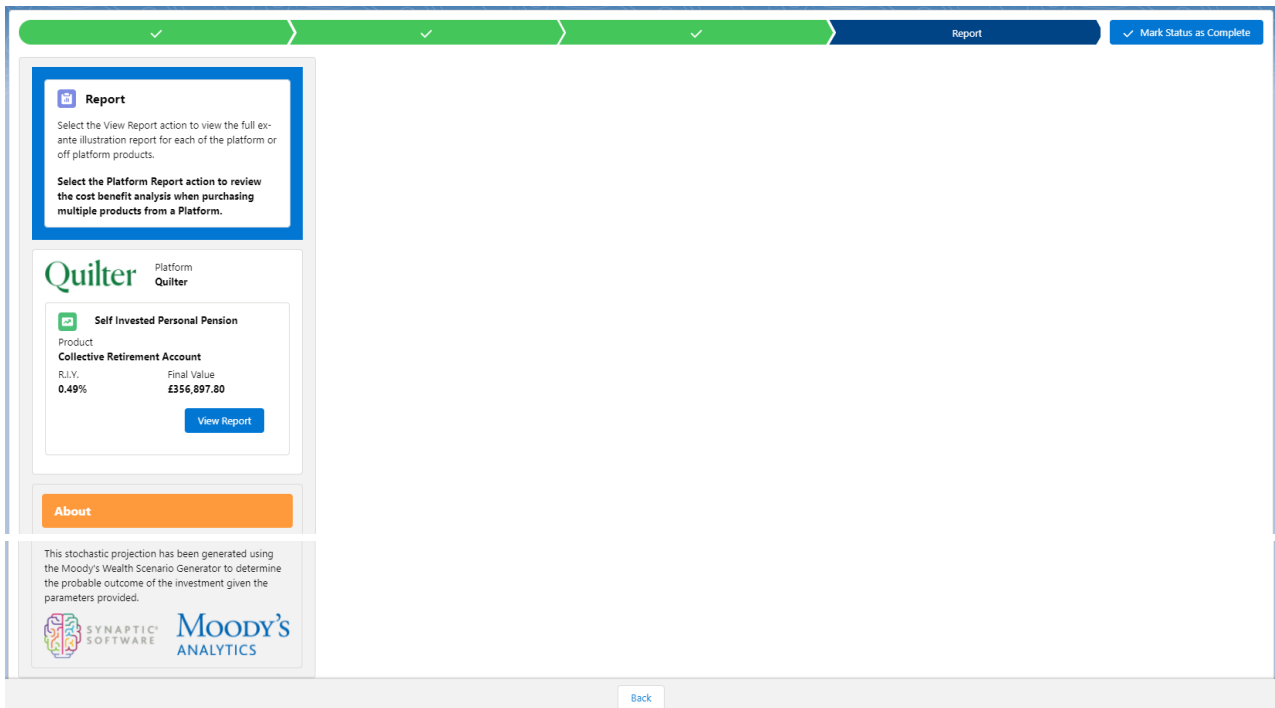


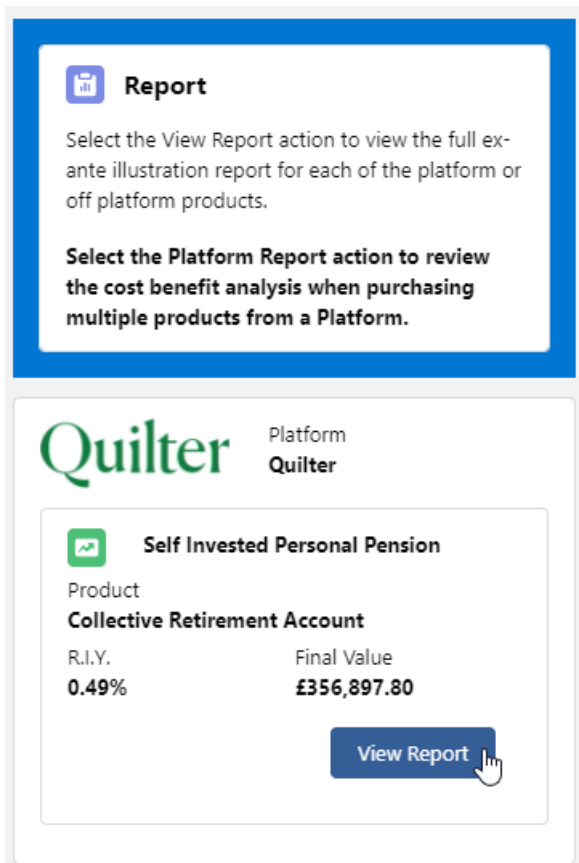
# Ex-Ante Report

Last Modified on 26/05/2022 12:12 pm BST

Within the **Report** area, you will find a Report on the left side of the screen:



Click **View Report:**



When selecting the report, it will be highlighted green on the left.

The report will load on the right side of the screen:

**Report**

Select the View Report action to view the full ex-ante illustration report for each of the platform or off platform products.

Select the Platform Report action to review the cost benefit analysis when purchasing multiple products from a Platform.

**Quilter** Platform Quilter

**Self Invested Personal Pension**

Product  
**Collective Retirement Account**

R.I.V. Final Value  
**0.49% £356,897.80**

[View Report](#)

**About**

This stochastic projection has been generated using the Moody's Wealth Scenario Generator to determine the probable outcome of the investment given the parameters provided.

Download Report

**Research Ex-Ante Report**

Synaptic Ex-Ante Illustration Report - NOT FINAL



Prepared For  
**Test Client**

Report Date  
12th November 2021

Illustration Name  
**Test Illustration Nov21.**

Firm Name  
Address  
FRN  
Contact Number

About the Synaptic Ex-Ante Illustration and Report

**Report overview**

Financial planning is a complex activity whose quality is dependent on research. The Synaptic ex-ante illustration and report manifests the industry's most advanced research capability and is designed to meet the following objectives:

**Best advice** - allow advisers to demonstrate their competency in formulation of recommendations that will assist clients in making informed investment decisions, based on their long term goals. Well constructed plans build trust between advisers and clients and encourage clients to remain invested in order to reap the returns offered by the financial markets, which historically have provided returns to diversified investors.

**Compliance** - allow firms to meet the highest possible standards of proof of suitability and disclosure in formats that are aligned to the compliance responsibilities of firms under COBS, MiFID II and PROD. The report includes objective analysis of risk including quantification of potential losses. The report supports the classic risk governance model requires analysis to reflect 'the need to take risk', consideration of the client's 'risk profile' and their 'capacity for loss'. The integrated workflows avoid the issues of non-alignment of tools highlighted as risks by the FCA.

**Improved practice management** - the Synaptic system has access to a wide range of data that reduces the requirement for re-keying and reference to multiple sources. This reduces errors and streamlines the advice process, reducing the administration burden for firms, turning hours spent on research and reports into minutes.

**The role of research and suitability**

In order to establish the suitability of a recommendation, an accurate illustration of the investment outcome must be shared with the client so that 'informed consent' can be given.

The forecasts in this report are generated using the Moody's stochastic engine, the Wealth Scenario Generator, ascribing probability to the full range of viable investment outcomes, including outcomes of unlikely possibility and representing the most severely stressed or volatile market conditions.

This approach demonstrates an accuracy proven over many market cycles over many years and is the same methodology that is relied on extensively by many institutions in the management of investment risk and the optimisation of portfolios.

**Alignment of client's objectives to an appropriate investment risk category and asset allocation**

This report details every aspect of risk relevant to a recommendation, including the client's risk profile (attitude to risk) and correct alignment to an investment strategy represented by a strategic asset allocation.

Risk categories are mapped to the scoring of the attitude to risk questionnaire (ATRQ).

Clients can therefore rely on the correct alignment of their investment

**Capacity for Loss**

The analysis in this report shows expected returns and expected losses over relevant investment horizons.

Sequence risk is acknowledged in this methodology as expected losses in the 'worst year' of the term are quantified (on a 1 in 20 years basis).

Recorded as the 'min gain', this represents one of the main calculations provided by the stochastic forecast, a 'value at risk' measure (over 12 months), representing the extent of losses expected for given risk category.

Unlike more common volatility-based measures, 'value at risk' recognises the trend of the investment.

Figure 1. Represents results from running representative strategic asset allocations from Moody's through the Moody's stochastic engine, a mathematical simulation, designed to attribute probability to the full range of viable outcomes for any given investment scenario. Thousands of scenarios are run.

The relative position of the 5th, 50th and 95th percentiles for each strategy indicates the relationship between different risk strategies and their expected returns.

The 95th percentile in the table of results is particularly relevant to advisers as this represents the extent of losses expected in a bad year, defined as 5% (or 1 in 20), equivalent to the worst year returns in a 20 year term. Capacity for Loss can therefore be quantified and determined using a relevant metric. We refer to this measure as a 'value at risk' metric, or shorthand, 'VAR @ 95th %'.

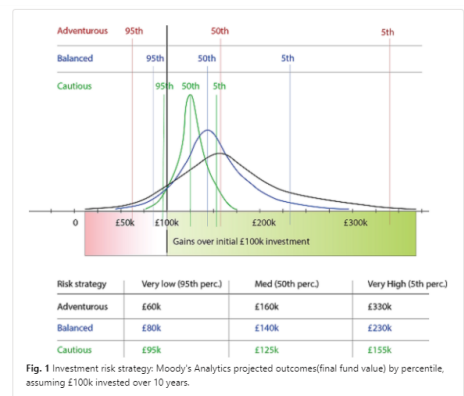


Illustration Research Summary - Test Client, Test Illustration Nov21.

Investment Portfolio  
**Royal London UK All Share Tracker Z Acc**

Term of calculation  
**10**

Summary of Investment, Contributions and Withdrawals

Initial Investment (Inc. Transfer In)	Contributions over the Period	Withdrawals over the Period
£210,000.00	£30,046.42	£6,259.67

### Risk Overview

Strategic (Moody's)	Min. Gain (VAR @ 95%)	Expected Return	Max. Gain (VAR @ 5th)	Risk Category
	-12.50%	2.89%	16.95%	Moderately Cautious (High End)
Investment Scenario	-26.74%	4.14%	32.23%	Very Adventurous

### Expected Investment Return

Investment Scenario	Lowest (<5% Probability)	Medium Low (<20% Probability)	Expected (Average Gain)	Medium High (<20% Probability)
	£124,088.00	£450,986.00	£298,705.00	£191,325.00
Best (<5% Probability)	£629,087.00			

### Summary Costs on Expected (Mean) Return

Investment Scenario	Expected Return without Costs(A)	Expected Return with Costs(B)	Cumulative Impact of Costs(A-B)	
	£344,306.37	£328,705.55	£15,600.81	
Value of Advice and Impact of Inflation	Expected Return with Costs(B)	Expected Return with Costs and Inflation(C)	No Investment ( Includes RPI and Inflation Indexation )/D)	Value of Advice (Inflation Adjusted) (C-D)
	£328,705.55	£239,298.58	£187,294.93	£52,003.65

### Client Information

Name  
Test Client  
Address  
-  
Telephone  
07777777777  
Date of Birth  
07/11/1986  
Client Risk Profile  
Description of Risk Category

### Investment Objective

Name  
**Test Illustration Nov21.**  
Description  
Test Goal Description Text

### Investment Objective Risk Category

Risk Category for Objective  
**Moderately Cautious (High End)**

### Investment Details

Initial Amount  
£210,000.00  
Transfer In Amount  
£0.00  
Total Initial Amount  
£210,000.00  
Contributions During Term  
Name of Segment  
-  
Description of Segment  
-

### MiFID II Target Market Information

Investor Type  
-  
Objective & Needs  
Growth  
Knowledge & Experience  
-  
Client Ability to Bear Loss  
No Capital Guarantee

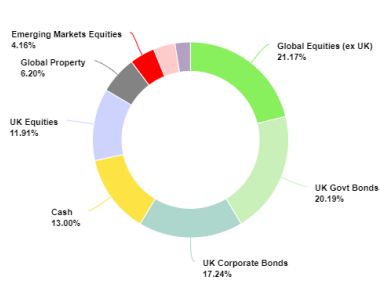
### Stochastic Projections

Forecast based on strategic asset allocation - no costs

Forecast based on investment scenario - with costs

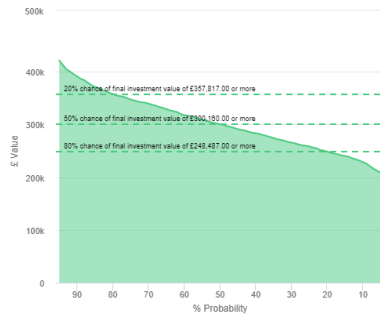
Asset Allocation

Asset Allocation



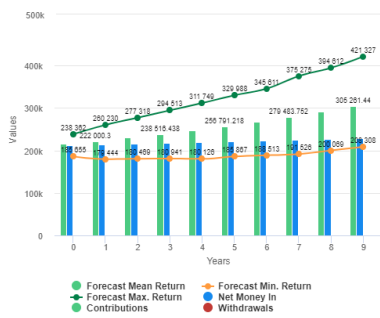
Min. Gain: -12.50%  
 Mean Gain: 2.89%  
 Max. Gain: 16.95%

Probability Projection

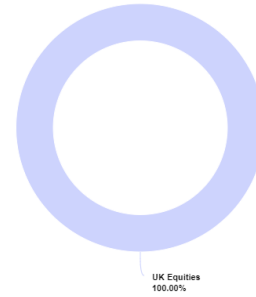


20% Probability: £357,817.00  
 50% Probability: £300,160.00  
 80% Probability: £248,487.00

Risk Illustration

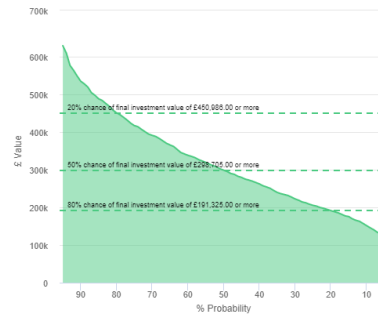


Lowest Outcome (5% Chance): £208,308.00 or -11.00%  
 Expected Outcome: £305,261.44 or 30.42%  
 Best Outcome (5% Chance): £421,327.00 or 80.01%



Min. Gain: -26.74%  
 Mean Gain: 4.14%  
 Max. Gain: 32.23%

Probability Projection



20% Probability: £450,986.00  
 50% Probability: £298,705.00  
 80% Probability: £191,325.00

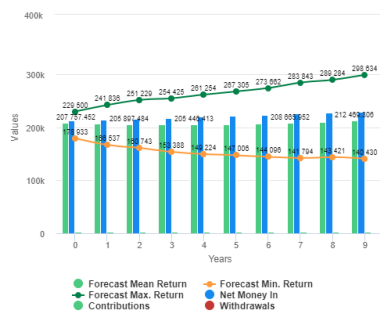
Risk Illustration



Lowest Outcome (5% Chance): £124,088.00 or -46.98%  
 Expected Outcome: £328,705.55 or 40.44%  
 Best Outcome (5% Chance): £629,087.00 or 168.78%

Forecast based on strategic asset allocation - With Costs & Inflation

Risk Illustration



Lowest Outcome (5% Chance): £140,430.00 or -40.00%  
 Expected Outcome: £212,469.31 or -9.22%  
 Best Outcome (5% Chance): £298,634.00 or 27.59%

Forecast based on investment scenario - With Costs & Inflation

Risk Illustration



Lowest Outcome (5% Chance): £88,780.00 or -62.07%  
 Expected Outcome: £239,298.58 or 2.24%  
 Best Outcome (5% Chance): £455,721.00 or 94.71%

Portfolio Summary

Portfolio Name: Royal London UK All Share Tracker Z Acc

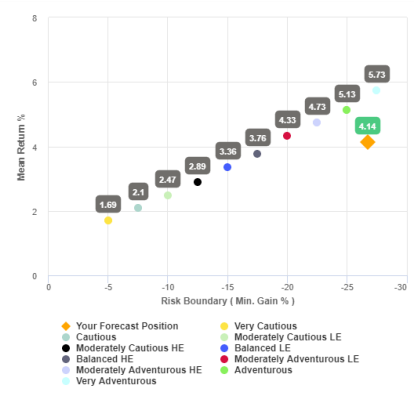
Fund Name	Allocation %
Royal London UK All Share Tracker Z Acc	100.00%

Stochastic Forecast of Probable Growth of Investment (With Costs & Inflation)

Year	In	Out	Total In	Min. Gain	Max Gain	Net Growth
1	£212,400.00	£300.00	£211,900.00	£168,871.00	£266,091.00	£1,500.48
2	£214,497.50	£1,624.50	£212,873.00	£138,387.00	£311,035.00	£11,867.84
3	£217,158.56	£1,574.70	£215,583.86	£108,761.00	£345,940.00	£20,700.66
4	£220,328.93	£2,151.06	£218,177.87	£133,864.00	£386,000.00	£28,451.10
5	£224,025.05	£2,757.30	£221,267.75	£152,254.00	£416,383.00	£36,253.53
6	£228,263.57	£3,392.41	£224,871.16	£175,714.00	£455,061.00	£45,186.29
7	£233,061.46	£4,058.64	£229,002.82	£202,024.00	£492,262.00	£54,584.80
8	£238,435.05	£4,757.51	£233,677.54	£228,078.54	£525,966.00	£60,309.60
9	£244,395.02	£5,490.63	£238,904.39	£252,152.00	£571,676.00	£78,567.14
10	£480,046.42	£6,259.67	£233,786.75	£124,888.00	£629,087.00	£94,918.80

Suitability Statement

Efficient Frontier Position



This confirms alignment of the investment recommendation with the Moody's investment strategy, where the min gain value does not exceed the risk threshold, or upper boundary for the relevant risk category.

The 'min gain' indicates the expected loss for an investment in the 'worst year', assuming a 20 year term. It is equivalent to the 5% worst outcomes (or 1 in 20) from the stochastic simulation whose data underpins the calculations made using this tool, and should be used for determining the client's Capacity for Loss in respect of the investment proposal.

Efficient Frontier and Suitability

The output shown here is the efficient frontier, which displays your Portfolio's Asset Allocation in relationship to the optimised and active Moody's Analytics Strategic Asset Class based Portfolios that are reviewed and rebalanced quarterly.

Suitability is assessed on the basis of whether the investment is likely to deliver on the objectives of the financial plan, and whether there is alignment between the components of the risk governance model relating to the Client investment goals:

The need to take risk:  
 The Client's risk profile:  
 The Client's capacity for loss.

Use the efficient frontier and investment plot to demonstrate that a portfolio or fund is aligned for risk and return.

Suitability Statement

From the previously completed Capacity for Loss questionnaire, the minimum appropriate term for the investment horizon is 10 to 14 yrs. The term used for the research is 10 years.

The proposed investment, Test Client Test Illustration Nov21., produces a 'Value at Risk' (VAR) measure (over 12 months) or 'Min gain' value of 26.74%.

This portfolio sits between the boundaries of the Moderately Adventurous (High End) Risk Category whose min gain value is 26.74%.

This approach demonstrates an accuracy proven over many market cycles over many years and is the same methodology that is relied on extensively by many institutions in the management of investment risk and the optimisation of portfolios.

Capacity for Loss Questionnaire

The model indicates the mathematical possibility of losing up to or in excess of 26.74% (min gain) of the portfolio in a bad year. The min gain value represents the 5% (1 in 20) worst returns from the stochastic modelling using the Moody's model. When the losses may occur is unknown, but because of the benefits of compounding growth, it is known that the impact on the final fund value is greater if the poor returns are early in the term (sequence risk).

Historically, significant losses in the short term have been followed by recovery and subsequent growth. It is important that investors commit to an appropriate term in order to recoup losses and build gains and can afford any short term losses that may occur in search of higher returns.

Capacity for Loss questions and answers

1. My client will need to start spending the investment return at the following point in the future. **10 to 14 yrs**
2. My client doesn't have any significant outstanding debts and don't expect to incur any during the period of their investment (e.g., mortgage or credit cards). **Agree**
3. My client's spouse, partner or family member is likely to be able and willing to support my client financially if circumstances require. **Strongly Agree**
4. It would be relatively easy for my client to cut expenditure in retirement if circumstances require. **Agree**
5. My client is flexible about their investment horizon. My client could wait before using your investment. **Agree**
6. **Risk suitability statement.** My Client can afford to lose 26.74% in any one year, as a worst case scenario this could equate to £168,217.86 loss in the final year of the 10 year term proposed. **Yes**

Supporting notes to meet MIFID Compliance - Capacity for Loss statement

Forecast Showing the Impact of Costs - Full MIFID II / Ex-ante Compliant Disclosure of Costs and Charges

The FCA (COBS 13) acknowledges the value of both deterministic and stochastically calculated investment forecasts. The linear characteristic of the former, makes it easier to understand the impact of costs. The stochastic forecasts elsewhere in the report provide a deeper and more reliable methodology for forecasting and should be preferred for any other requirement. Deterministic calculations are presented here for their clear and consistent representation of cost, including Reduction in Yield (R.I.Y.) values that are very effective in understanding the

impact of ongoing and initial costs and the cumulative impact of costs.

Description	Cost of Ownership	Fund Weighting	Initial Year %		Subsequent Years %	
			Cost as % of Weighted Investment	Cost as Weighted Amount £	Weighted % of Investment	Weighted % of Investment
<b>Product</b>						
<b>Collective Retirement Account</b>						
Costs			0.00%	£10.50		0.01%
<b>Funds</b>						
<b>Cash Allocation</b>						
Royal London UK All Share Tracker Z Acc		100.00%				
One off Costs			0.00%			
Ongoing costs excl. Transaction	0.15%		0.49%	£1,041.67		0.48%
Transaction costs	0.00%		0.00%	£0.00		0.00%
<b>Adviser Charges</b>						
Initial charge			0.00%	£0.00		0.00%
Ongoing charges			0.00%	£0.00		0.00%
<b>Aggregated Costs &amp; Charges</b>						
Grand total first year			0.00%	£1,052.37		0.00%
Grand total as % of first year investment total			0.50%	£0.00		0.49%

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### Deterministic Forecast - Summary Costs over the Full Investment Term

Calculations returned by the deterministic and stochastic methods may be different due to different methodologies including different growth rates. The deterministic calculation assumes broad based actuarial growth rates, whereas stochastic calculations are based on Moody's forecasts for growth across asset allocation.

Headline Reduction in Yield Value  
0.49%  
Total Solution Cost  
£16,256.58  
Final Value  
£356,897.80

### Platform Charges

Item	Fund Weighting	Growth %	Final Value £	Total Fees £	R.I.Y %
<b>Collective Retirement Account</b>					
Royal London UK All Share Tracker Z Acc	100.00%	4.52%	£356,776.35	£16,035.96	0.48%

4

### Deterministic Forecast



### Suitability Checklist

Prepared For  
Test Client  
Illustration Name  
Test Illustration Nov21.  
Risk Profile

[Declaration of Tolerance for Loss](#)

[Assessment of Capacity for Loss](#)

Confirmation of Target Market

Investor Type  
Retail / Professional  
Objective & Needs  
Preservation / Growth / Income / Hedged / Leveraged Return  
Knowledge & Experience  
Basic Investor / Informed Investor / Advanced Investor  
Client Ability to Bear Loss  
Limited Capital Loss, No Capital Guarantee / Loss  
Beyond Capital  
Investment Horizon  
10 to 14 yrs

Growth

No Capital Guarantee

Supporting notes to meet MiFID Compliance - Capacity for Loss statement

Statement: Prepared by User User, FRN #  
Date: 12th November 2021, Reference #20211112CLIENT

Report Ends

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Synaptic Ex-Ante  
Illustration Report

Prepared For

Test Client

Report Date

10th November 2021

Illustration Name

Test Illustration Nov21.

Firm Name

Address

FRN

Contact Number