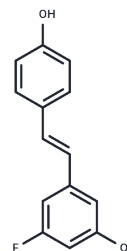


## Resveratrol analog 1

## Chemical Properties

CAS No. :	861446-16-4
Formula:	C <sub>14</sub> H <sub>11</sub> F <sub>0</sub> O <sub>2</sub>
Molecular Weight:	230.23
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Resveratrol analog 1, an analog of Resveratrol, is a natural polyphenolic phytoalexin with antioxidant, anti-inflammatory, cardioprotective, and anti-cancer properties.
Targets(IC50)	Mitophagy, Autophagy, IκB/IKK, Sirtuin

## Solubility Information

Solubility	DMSO: 80 mg/mL (347.48 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 5 mg/mL (21.72 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3435 mL	21.7174 mL	43.4348 mL
5 mM	0.8687 mL	4.3435 mL	8.687 mL
10 mM	0.4343 mL	2.1717 mL	4.3435 mL
50 mM	0.0869 mL	0.4343 mL	0.8687 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Liu, Jing, "Synthesis of Resveratrol and Its Analogs, Phase-Transfer Catalyzed Asymmetric Glycolate Aldol Reaction, and Total Synthesis of 8,9-Methylamido-Geldanamycin" (2007). All Theses and Dissertations. 1415.

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