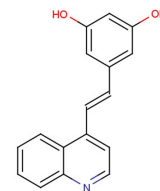


RV01

Chemical Properties

CAS No.:	1016897-10-1
Formula:	C ₁₇ H ₁₃ NO ₂
Molecular Weight:	263.29
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	RV01 is an analogue of resveratrol. RV01 decreases iNOS expression, with anti-neuroinflammatory activity.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 5 mg/mL (18.99 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.798 mL	18.99 mL	37.981 mL
5 mM	0.76 mL	3.798 mL	7.596 mL
10 mM	0.38 mL	1.899 mL	3.798 mL
50 mM	0.076 mL	0.38 mL	0.76 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Yan Y, et al. Protection of resveratrol and its analogues against ethanol-induced oxidative DNA damage in human peripheral lymphocytes. *Mutat Res.* 2011 Apr 3;721(2):171-7.
2. Hou Y, et al. A Novel Quinolinyl-Substituted Analogue of Resveratrol Inhibits LPS-Induced Inflammatory Responses in Microglial Cells by Blocking the NF-κB/MAPK Signaling Pathways. *Mol Nutr Food Res.* 2019 Aug 4:e1801380.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481