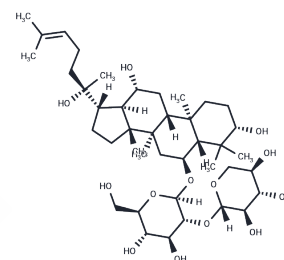


Notoginsenoside R2

Chemical Properties

CAS No. :	80418-25-3
Formula:	C ₄₁ H ₇₀ O ₁₃
Molecular Weight:	770.99
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Notoginsenoside R2 (20(S)-Notoginsenoside R2) has neuroprotection against 6-OHDA-induced neurotoxicity, is associated with Notoginsenoside R2-mediated P90RSK and Nrf2 activation through MEK1/2-ERK1/2 pathways.
Targets(IC50)	Nrf2

Solubility Information

Solubility	DMSO: 25 mg/mL (32.43 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.297 mL	6.4852 mL	12.9703 mL
5 mM	0.2594 mL	1.297 mL	2.5941 mL
10 mM	0.1297 mL	0.6485 mL	1.297 mL
50 mM	0.0259 mL	0.1297 mL	0.2594 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.

Reference

- Meng XB, et al. P90RSK and Nrf2 Activation via MEK1/2-ERK1/2 Pathways Mediated by Notoginsenoside R2 to Prevent 6-Hydroxydopamine-Induced Apoptotic Death in SH-SY5Y Cells. *Evid Based Complement Alternat Med*. 2013;22013:971712.
- González-Burgos E, et al. Potential neuroprotective activity of Ginseng in Parkinson's disease: a review. *J Neuroimmune Pharmacol*. 2015 Mar;10(1):14-29.

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