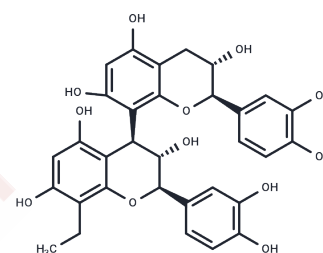


Neuroprotective agent 11

Chemical Properties

CAS No. :	3081915-81-0
Formula:	C32H30O12
Molecular Weight:	606.57
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Neuroprotective agent 11 (Compound 1a) is an orally active polyphenolic compound that offers significant protection against cerebral ischemia. Its primary activities include inhibiting neuronal inflammation and apoptosis, reducing cerebral infarct size, and improving behavioral symptoms in mice with cerebral ischemia. The mechanism involves downregulating inflammatory factors (iNOS, COX-2) and apoptotic proteins (cleaved-Caspase3, p53). Neuroprotective agent 11 is applicable for research in ischemia-related brain diseases, such as ischemic stroke.
Targets(IC50)	Caspase,NO Synthase,COX,MDM-2/p53

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6486 mL	8.2431 mL	16.4861 mL
5 mM	0.3297 mL	1.6486 mL	3.2972 mL
10 mM	0.1649 mL	0.8243 mL	1.6486 mL
50 mM	0.033 mL	0.1649 mL	0.3297 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481