

Ro 67-4853

Chemical Properties

CAS No. : 302841-89-0

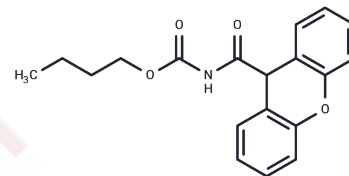
Formula: C₁₉H₁₉NO₄

Molecular Weight: 325.36

Storage: Store at low temperature, Keep away from direct sunlight, Keep away from moisture

Powder: -20°C for 3 years

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ro 67-4853 is a selective mGluR1 positive allosteric modulator, enhancing the response to the agonist (S)-3,5-dihydroxyphenylglycine (DHPG) in anesthetized rats through iontophoretic administration.
Targets(IC50)	GluR
In vitro	Ro 67-4853 (1 μ M) was preincubated with BHK cells stably expressing mGluR1a for 10 min before the addition of a range of glutamate concentrations. These compounds had no agonist activity at mGluR1 when added alone, but the concentration-response curve for glutamate was shifted to the left approximately 15-fold.[1]

Solubility Information

Solubility	DMF: 10 mg/mL (30.74 mM), Sonication is recommended. DMSO: 8 mg/mL (24.59 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	3.0735 mL	15.3676 mL	30.7352 mL
5 mM	0.6147 mL	3.0735 mL	6.147 mL
10 mM	0.3074 mL	1.5368 mL	3.0735 mL
50 mM	0.0615 mL	0.3074 mL	0.6147 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

Sheffler DJ, et al. Allosteric potentiators of metabotropic glutamate receptor subtype 1a differentially modulate independent signaling pathways in baby hamster kidney cells. *Neuropharmacology*. 2008 Sep;55(4):419-27.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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