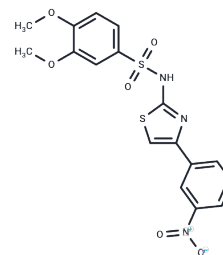


Ro 61-8048

Chemical Properties

CAS No. :	199666-03-0
Formula:	C17H15N3O6S2
Molecular Weight:	421.45
Storage:	Keep away from moisture, 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	Ro 61-8048 is a potent and selective inhibitor of kynurenine hydroxylase with an IC50 value of 37 nM.
Targets(IC50)	Others, Hydroxylase

Solubility Information

Solubility	Ethanol: 4.21 mg/mL (9.99 mM), Sonication is recommended. DMSO: 42.2 mg/mL (100.13 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.75 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	2.3728 mL	11.8638 mL	23.7276 mL
5 mM	0.4746 mL	2.3728 mL	4.7455 mL
10 mM	0.2373 mL	1.1864 mL	2.3728 mL
50 mM	0.0475 mL	0.2373 mL	0.4746 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

- Röver S, et al. J Med Chem. 1997, 40(26), 4378-4385.
Cozzi A, et al. J Cereb Blood Flow Metab. 1999, 19(7), 771-777.
Richter A, et al. Eur J Pharmacol. 2003, 478(1), 47-52.
Khalil OS, et al. Eur J Neurosci. 2014, 39(10), 1558-1571.

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