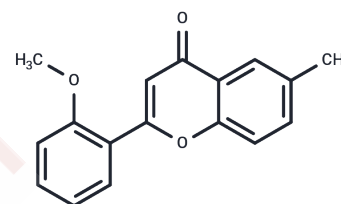


2'MeO6MF

Chemical Properties

CAS No. :	89112-85-6
Formula:	C17H14O3
Molecular Weight:	266.29
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	2'MeO6MF is a brain-penetrant positive allosteric modulator at $\alpha 2\beta 1\gamma 2L$ and all $\alpha 1$ -containing GABAA receptors. It offers neuroprotection, improves functional recovery, and dampens the stroke-induced inflammatory response. 2'MeO6MF also has anxiolytic and sedative effects.
Targets(IC50)	GABA Receptor

Solubility Information

Solubility	DMSO: 4 mg/mL (15.02 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	3.7553 mL	18.7765 mL	37.553 mL
5 mM	0.7511 mL	3.7553 mL	7.5106 mL
10 mM	0.3755 mL	1.8777 mL	3.7553 mL
50 mM	0.0751 mL	0.3755 mL	0.7511 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

- Clarkson AN, et, al. The flavonoid, 2'-methoxy-6-methylflavone, affords neuroprotection following focal cerebral ischaemia. *J Cereb Blood Flow Metab.* 2019 Jul;39(7):1266-1282.
- Karim N, et, al. 2'-Methoxy-6-methylflavone: a novel anxiolytic and sedative with subtype selective activating and modulating actions at GABA(A) receptors. *Br J Pharmacol.* 2012 Feb;165(4):880-96.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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