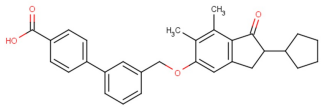
Data Sheet (Cat.No.T14615)

TargetMol
A DRUG SCREENING EXPERT

Biphenylindanone A

Chemical Properties



CAS No.:	866823-73-6
Formula:	C30H30O4
Molecular Weight:	454.56
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Biphenylindanone A is a selective potentiator of human mGluR2 (hmGluR2),and for the treatment of neurological disorders.
Targets(IC_{50})	mGluR2: None
In vitro	Biphenylindanone A (BINA) shows activity on glutamate-induced scintillation proximity assay [3H]IP1 hydrolysis on WT mGluR2 (EC50=1.57 μM) in the absence or presence of 5 μM glutamate[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2 mL	11.0 mL	21.999 mL
5 mM	0.44 mL	2.2 mL	4.4 mL
10 mM	0.22 mL	1.1 mL	2.2 mL
50 mM	0.044 mL	0.22 mL	0.44 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Rowe BA, et al. Transposition of three amino acids transforms the human metabotropic glutamate receptor (mGluR)-3-positive allosteric modulation site to mGluR2, and additional characterization of the mGluR2-positive allosteric modulation site. J Pharmacol Exp Ther. 2008 Jul;326(1):240-51.

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