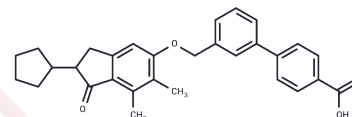


Biphenylindanone A

Chemical Properties

CAS No. : 866823-73-6
 Formula: C₃₀H₃₀O₄
 Molecular Weight: 454.56
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Biphenylindanone A is a selective potentiator of human mGluR2 (hmGluR2), and for the treatment of neurological disorders.
Targets(IC ₅₀)	GluR
In vitro	Biphenylindanone A (BINA) demonstrates activity in a glutamate-induced scintillation proximity assay for [³ H]IP1 hydrolysis on WT mGluR2, with an EC ₅₀ of 1.57 μM, both in the absence and presence of 5 μM glutamate[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1999 mL	10.9996 mL	21.9993 mL
5 mM	0.440 mL	2.1999 mL	4.3999 mL
10 mM	0.220 mL	1.100 mL	2.1999 mL
50 mM	0.044 mL	0.220 mL	0.440 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.

Reference

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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