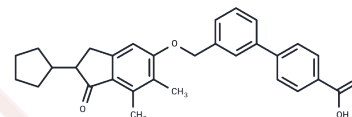


## Biphenylindanone A

## Chemical Properties

CAS No. :	866823-73-6
Formula:	C30H30O4
Molecular Weight:	454.56
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	Biphenylindanone A is a selective potentiator of human mGluR2 (hmGluR2), and for the treatment of neurological disorders.
Targets(IC50)	GluR
In vitro	Biphenylindanone A (BINA) demonstrates activity in a glutamate-induced scintillation proximity assay for [3H]IP1 hydrolysis on WT mGluR2, with an EC50 of 1.57 $\mu$ M, both in the absence and presence of 5 $\mu$ M 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.

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

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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