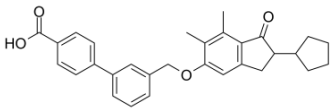
Biphenylindanone A

Cat. No.:	HY-15442
CAS No.:	866823-73-6
Molecular Formula:	$C_{30}H_{30}O_4$
Molecular Weight:	454.56
Target:	mGluR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



BIOLOGICAL ACTIVITY

Description	Biphenylindanone A (BINA) is a selective human **mGluR2** (**hmGluR2**) potentiator for the treatment of many neurological disorders[1].
IC_{50} & Target	mGluR2
In Vitro	Biphenylindanone A (BINA) shows activity on glutamate-induced scintillation proximity assay [^{3}H]IP_1 hydrolysis on WT mGluR2 (EC_{50}=1.57 μM) in the absence or presence of 5 μM glutamate[1].

REFERENCES

[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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