



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

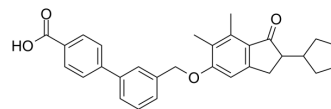
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (219.99 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.1999 mL	10.9996 mL	21.9993 mL	
5 mM	0.4400 mL	2.1999 mL	4.3999 mL	
10 mM	0.2200 mL	1.1000 mL	2.1999 mL	

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Biphenylindanone A (BINA) is a selective human mGluR2 (hmGluR2) potentiator for the treatment of many neurological disorders^[1].

IC₅₀ & Target

mGluR2

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].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA