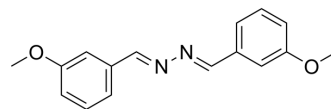


DMeOB

Cat. No.:	HY-103562		
CAS No.:	40252-74-2		
Molecular Formula:	C ₁₆ H ₁₆ N ₂ O ₂		
Molecular Weight:	268.31		
Target:	mGluR		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (372.70 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.7270 mL	18.6352 mL	37.2703 mL
	5 mM	0.7454 mL	3.7270 mL	7.4541 mL
	10 mM	0.3727 mL	1.8635 mL	3.7270 mL

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

BIOLOGICAL ACTIVITY

Description

DMeOB is an agonist of mGluR5 receptor with an IC₅₀ of 3 μM. DMeOB has a negative modulatory effect^[1].

REFERENCES

[1]. O'Brien JA, et al. A family of highly selective allosteric modulators of the metabotropic glutamate receptor subtype 5. *Mol Pharmacol.* 2003 Sep;64(3):731-40.

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

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