ABP688

Cat. No.: HY-110141

CAS No.: 924298-51-1

Molecular Formula: $C_{15}H_{16}N_2O$

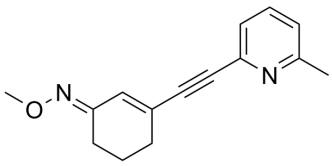
Molecular Weight: 240.3

Target: mGluR

Pathway: GPCR/G Protein; Neuronal Signaling

Storage:

Pure form	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 83.33 mg/mL (346.77 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	4.1615 mL	20.8073 mL	41.6146 mL
	5 mM	0.8323 mL	4.1615 mL	8.3229 mL
	10 mM	0.4161 mL	2.0807 mL	4.1615 mL

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

BIOLOGICAL ACTIVITY

Description

ABP688 is a high affinity human mGluR5 antagonist with anK_i of 1.7 nM. Radioisotope-labeled ABP688 can be used as a PET tracer for clinical imaging of the mGlu5 receptor[1].

IC_{50} & Target

human mGluR5
1.7 nM (Ki)

REFERENCES

[1]. Hintermann S, et al. ABP688, a novel selective and high affinity ligand for the labeling of mGlu5 receptors: identification, in vitro pharmacology, pharmacokinetic and biodistribution studies. Bioorg Med Chem. 2007 Jan 15;15(2):903-14.

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

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