GPCR agonist-2

Cat. No.: HY-47823

CAS No.: 291528-35-3

Molecular Formula: $C_{10}H_{10}N_2O_4$

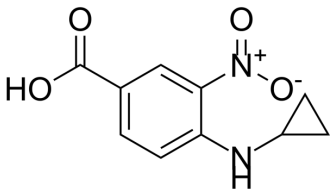
Molecular Weight: 222.2

Target: GPR109A

Pathway: GPCR/G Protein

Storage: 4°C, protect from light

* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (562.56 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	4.5005 mL	22.5023 mL	45.0045 mL
	5 mM	0.9001 mL	4.5005 mL	9.0009 mL
	10 mM	0.4500 mL	2.2502 mL	4.5005 mL

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

BIOLOGICAL ACTIVITY

Description

GPCR agonist-2 (Compound 5j) is a GPCR GPR109b (HM74) agonist, with a pEC_{50} value of 6.51. GPCR agonist-2 can be used for research of lipid disorders[1].

REFERENCES

[1]. Skinner PJ, et al. 3-Nitro-4-amino benzoic acids and 6-amino nicotinic acids are highly selective agonists of GPR109b. Bioorg Med Chem Lett. 2007 Dec 1;17(23):6619-22.

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