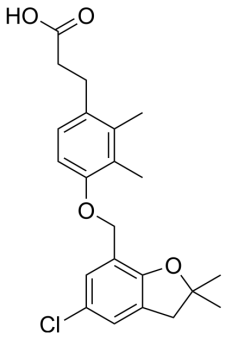
GPR120 Agonist 2



Cat. No.:	HY-111353
CAS No.:	1234844-11-1
Molecular Formula:	$C_{22}H_{25}ClO_4$
Molecular Weight:	388.88
Target:	Free Fatty Acid Receptor
Pathway:	GPCR/G Protein
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year

SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 50 mg/mL (128.57 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.5715 mL	12.8574 mL	25.7149 mL
	5 mM	0.5143 mL	2.5715 mL	5.1430 mL
	10 mM	0.2571 mL	1.2857 mL	2.5715 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 3.5 mg/mL (9.00 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 3.5 mg/mL (9.00 mM); Clear solution

BIOLOGICAL ACTIVITY

Description	GPR120 Agonist 2 is a GPR120 agonist extracted from patent US 20110313003 A1, example 209.
IC_{50} & Target	GPR120[1]
In Vitro	GPR120 Agonist 2 is a GPR120 agonist which is useful for the treatment of metabolic diseases, including Type II diabetes and diseases associated with poor glycemic control[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Dong Fang Shi, et al. Gpr120 receptor agonists and uses thereof. US20110313003.

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

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