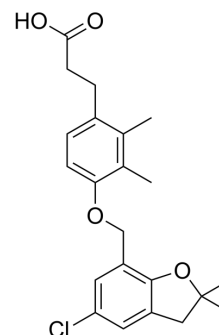


GPR120 Agonist 2

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.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

- 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
- 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.

IC₅₀ & 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 glycaemic 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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