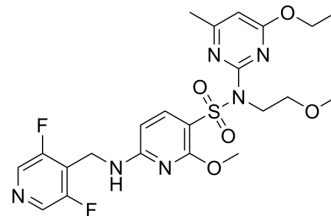


GPR61 Inverse agonist 1

Cat. No.:	HY-156354		
Molecular Formula:	C ₂₂ H ₂₆ F ₂ N ₆ O ₅ S		
Molecular Weight:	524.54		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (190.64 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.9064 mL	9.5322 mL	19.0643 mL
				5 mM	0.3813 mL	1.9064 mL	3.8129 mL
				10 mM	0.1906 mL	0.9532 mL	1.9064 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (4.77 mM); Suspended solution; Need ultrasonic						

BIOLOGICAL ACTIVITY

Description	GPR61 Inverse agonist 1 (Compound 1) is a GPR61 inverse agonist (IC ₅₀ : 11 nM). GPR61 Inverse agonist 1 can be used for research of disorders of metabolism and body weight, such as obesity and cachexia ^[1] .
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REFERENCES

[1]. Lees JA, et al. An inverse agonist of orphan receptor GPR61 acts by a G protein-competitive allosteric mechanism. Nat Commun. 2023 Sep 23;14(1):5938.

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

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