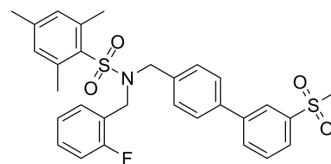


BE1218

Cat. No.:	HY-143259		
CAS No.:	2893967-40-1		
Molecular Formula:	C ₃₀ H ₃₀ FNO ₄ S ₂		
Molecular Weight:	551.69		
Target:	LXR		
Pathway:	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 33.33 mg/mL (60.41 mM; ultrasonic and warming and heat to 60°C)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	1.8126 mL	9.0631 mL	18.1261 mL
	5 mM	0.3625 mL	1.8126 mL	3.6252 mL
	10 mM	0.1813 mL	0.9063 mL	1.8126 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.53 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	BE1218 is a liver X receptor (LXR) inverse agonist with IC ₅₀ values of 9 nM and 7 nM against LXRα and LXRβ, respectively ^[1] .
IC₅₀ & Target	IC ₅₀ : 7 nM (LXRβ), 9 nM (LXRα) ^[1]

REFERENCES

[1]. Elgendy B, et al. Synthesis and structure activity relationship of the first class of LXR inverse agonists. Bioorg Chem. 2022 Feb;119:105540.

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

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