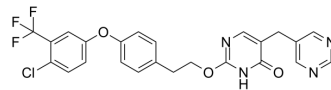


GSK2647544

Cat. No.:	HY-145653
CAS No.:	1380426-95-8
Molecular Formula:	C ₂₄ H ₁₈ ClF ₃ N ₄ O ₃
Molecular Weight:	502.87
Target:	Phospholipase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (198.86 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.9886 mL	9.9429 mL	19.8859 mL
	5 mM	0.3977 mL	1.9886 mL	3.9772 mL
	10 mM	0.1989 mL	0.9943 mL	1.9886 mL

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

BIOLOGICAL ACTIVITY

Description

GSK2647544 is an orally available, selective inhibitor of Lp-PLA2. Lipoprotein-associated phospholipase (Lp-PLA2) is a calcium-independent phospholipase A2 with proinflammatory activities that is primarily secreted by monocyte-derived macrophages^[1].

REFERENCES

[1]. Wu K, et al. Evaluation of the safety, pharmacokinetics, pharmacodynamics, and drug-drug interaction potential of a selective Lp-PLA2 inhibitor (GSK2647544) in healthy volunteers. *Int J Clin Pharmacol Ther.* 2016;54(12):935-949.

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

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