GSK106

Cat. No.: HY-120343

CAS No.: 1652591-82-6

Molecular Formula: $C_{24}H_{28}ClN_5O$

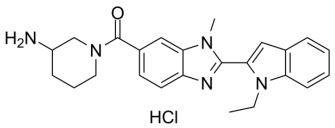
Molecular Weight: 437.97

Target: Protein Arginine Deiminase

Pathway: Epigenetics

Storage: -20°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (228.33 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.2833 mL	11.4163 mL	22.8326 mL
	5 mM	0.4567 mL	2.2833 mL	4.5665 mL
	10 mM	0.2283 mL	1.1416 mL	2.2833 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: 2.5 mg/mL (5.71 mM); Suspended solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (5.71 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: 2.5 mg/mL (5.71 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

GSK106 is an inactive control for the selective PAD4 inhibitors, GSK484 and GSK199[1].

REFERENCES

[1]. Lewis HD, et al. Inhibition of PAD4 activity is sufficient to disrupt mouse and human NET formation. Nat Chem Biol. 2015 Mar;11(3):189-91.

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

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