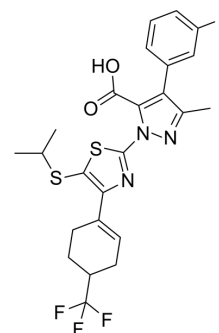


BTM-3566

Cat. No.:	HY-155225		
CAS No.:	2228857-70-1		
Molecular Formula:	C ₂₄ H ₂₃ F ₄ N ₃ O ₂ S ₂		
Molecular Weight:	526		
Target:	Mitochondrial Metabolism; Apoptosis		
Pathway:	Metabolic Enzyme/Protease; Apoptosis		
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 : 100 mg/mL (190.11 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.9011 mL	9.5057 mL	19.0114 mL
5 mM	0.3802 mL	1.9011 mL	3.8023 mL
10 mM	0.1901 mL	0.9506 mL	1.9011 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: 2.5 mg/mL (4.75 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (4.75 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

BTM-3566 is an OMA1 activator. BTM-3566 activates the mitochondrial stress response. BTM-3566 induces apoptosis in diffuse large B-cell lymphomas (DLBCL) cell lines^{[1][2]}.

REFERENCES

- Schwarzer A, et al. Targeting aggressive B-cell lymphomas through pharmacological activation of the mitochondrial protease OMA1. *Mol Cancer Ther.* 2023 Aug 30.
- Adrian Schwarzer, et al. Btm-3566, a Novel Activator of the Mitochondrial Stress Response Promotes Robust Therapeutic Responses in Vitro and In Vivo in Diffuse Large

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

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