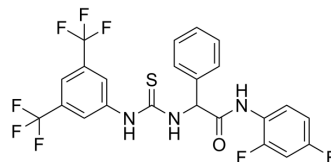


(Rac)-BL-918

Cat. No.:	HY-124729A		
CAS No.:	2435589-07-2		
Molecular Formula:	C ₂₃ H ₁₅ F ₈ N ₃ OS		
Molecular Weight:	533.44		
Target:	ULK; Autophagy		
Pathway:	Autophagy		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 125 mg/mL (234.33 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
	Concentration			
	1 mM	1.8746 mL	9.3731 mL	18.7463 mL
	5 mM	0.3749 mL	1.8746 mL	3.7492 mL
	10 mM	0.1875 mL	0.9373 mL	1.8746 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: ≥ 2.08 mg/mL (3.90 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.08 mg/mL (3.90 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(Rac)-BL-918 is the racemate of BL-918. BL-918 is a potent activator of UNC-51-like kinase 1 (ULK1), inducing cytoprotective autophagy for Parkinson's disease treatment^[1].

REFERENCES

- [1]. Ouyang L, et al. Small-Molecule Activator of UNC-51-Like Kinase 1 (ULK1) That Induces Cytoprotective Autophagy for Parkinson's Disease Treatment. J Med Chem. 2018 Apr 12;61(7):2776-2792.

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

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