

Product Name : BL-918

Synonyms : BL918

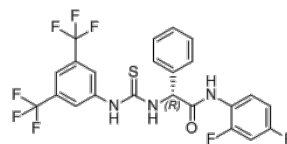
Cat No. : M13336

CAS Number : 2101517-69-3

Molecular Formula : C₂₃H₁₅F₈N₃O₃S

Formula Weight : 533.44

Chemical Name : (R)-2-(3-(3,5-Bis(trifluoromethyl)phenyl)thioureido)-N-(2,4-difluorophenyl)-2-phenylacetamide



Description : BL-918 is a small molecule activator of ULK1 with EC₅₀ of 24 nM (243% kinase activity at 100 nM), induces autophagy via the ULK complex in SH-SY5Y cells; displays a cytoprotective effect on MPP⁺-treated SH-SY5Y cells, as well as protected against MPTP-induced motor dysfunction and loss of dopaminergic neurons by targeting ULK1-modulated autophagy in mouse models of PD.

Pathway : Autophagy

Target : ULK

Receptor : ULK

Solubility : —

SMILES : O=C(NC1=CC=C(F)C=C1F)[C@H](NC(NC2=CC(C(F)(F)F)=CC(C(F)(F)F)=C2)=S)C3=CC=CC=C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Ouyang L, et al. J Med Chem. 2018 Apr 12;61(7):2776-2792.