



Product Information

Keap1-Nrf2 inhibitor ML-385, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ661

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 846557-71-9

Compound CID: 1383822

Synonym: ML385; 846557-71-9; ML-385;

2-(Benzo[d][1,3]dioxol-5-yl)-N

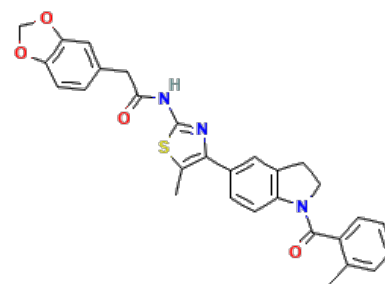
-(5-methyl-4-(1-(2-methylbenzoyl)indolin-5-yl)thiazol-2-yl)acetamide;

2-Benzo[1,3]dioxol-5-yl-N

-(5-methyl-4-[1-(2-methyl-benzoyl)-2,3-dihydro-1H-indol-5-yl]-thiazol-2-yl)-acetamide;

Keap1-Nrf2 inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	ML-385, soluble in DMSO and insoluble in ethanol and water, is an active small molecule compound that mediates the Keap1-Nrf2 signaling pathway.
Molecular Weight	511.6
Molecular Formula	C ₂₉ H ₂₅ N ₃ O ₄ S
IUPAC Name	2-(1,3-Benzodioxol-5-yl)-N -[5-methyl-4-[1-(2-methylbenzoyl)-2,3-dihydroindol-5-yl]-1,3-thiazol-2-yl]acetamide
InChI	InChI=1S/C29H25N3O4S/c1-17-5-3-4-6-22(17)28(34)32-12-11-20-15-21(8-9-23(20)32)27-18(2)37-2 9(31-27)30-26(33)14-19-7-10-24-25(13-19)36-16-35-24/h3-10,13,15H,11-12,14,16H2,1-2H3,(H,30,3 1,33)
InChI Key	LINHYWKZVCNAMQ-UHFFFAOYSA-N
Canonical SMILES	CC1=CC=CC=C1C(=O)N2CCC3=C2C=CC(=C3)C4=C(SC(=N4)NC(=O)CC5=CC6=C(C=C5)OCO6) C
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 68 mg/mL (132.91 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized



powder.

Applications

ML-385 can be utilized for investigating the inhibition of the Nrf2-ARE signaling pathway in oxidative stress and related diseases.

Storage

Store at -20°C.
