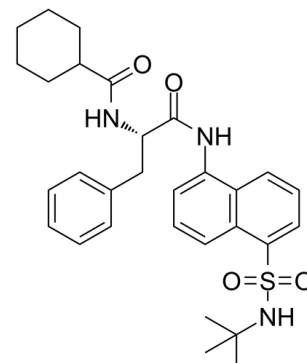


Data Sheet

Product Name:	MF-094
Cat. No.:	CS-0046060
CAS No.:	2241025-68-1
Molecular Formula:	C ₃₀ H ₃₇ N ₃ O ₄ S
Molecular Weight:	535.70
Target:	Deubiquitinase
Pathway:	Cell Cycle/DNA Damage
Solubility:	DMSO : 125 mg/mL (ultrasonic)



BIOLOGICAL ACTIVITY:

MF-094 is a potent and selective **USP30** inhibitor with an **IC₅₀** of 120 nM. MF-094 increases protein ubiquitination and accelerates mitophagy^[1]. IC₅₀ & Target: IC₅₀: 120 nM (USP30)^[1] **In Vitro**: MF-094 has <30% inhibitory activity for a panel of 22 USPs assays at 10 uM^[1].

References:

[1]. Kluge AF, et al. Novel highly selective inhibitors of ubiquitin specific protease 30 (USP30) accelerate mitophagy. Bioorg Med Chem Lett. 2018 Aug 15;28(15):2655-2659.

CAIndexNames:

Benzenepropanamide, α-[(cyclohexylcarbonyl)amino]-N-[5-[[[1,1-dimethylethyl)amino]sulfonyl]-1-naphthalenyl]-, (αS)-

SMILES:

O=C(NC1=CC=CC2=C1C=CC=C2S(=O)(NC(C)(C)C)=O)[C@@H](NC(C3CCCCC3)=O)CC4=CC=CC=C4

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

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA