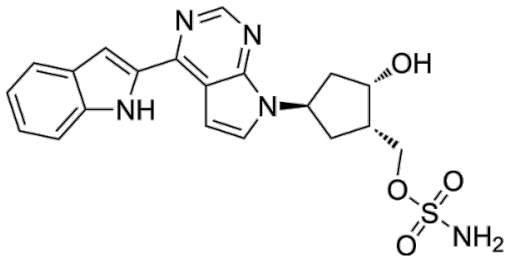
Product Data Sheet

Product Name: UBA6-IN-1
Cat. No.: GC79585

Chemical Properties

Cas. No.	1557137-61-7		
Formula	$C_{20}H_{21}N_5O_4S$	M.Wt	427.48
Solubility	DMSO: 100 mg/mL (233.93 mM; Need ultrasonic)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

UBA6-IN-1 is a UBA6/UBE1L2 inhibitor (IC_{50} ≤50 nM) that acts by reducing the level of squalene epoxidase (SQLE). UBA6-IN-1 affects SREBP -dependent lipid metabolism processes and

downstream cholesteryl ester transport, and can be used for cancer research [1].

In Vitro, UBA6-IN-1 (I-01) potently inhibits Uba6 enzyme activity, achieving 87% inhibition at 0.123 μM[1]. UBA6-IN-1 (10 μM; 6 h) alters SREBP-dependent lipid metabolism in WSU-DLCL2 cells when treated at 10 μM for 6 hours, as indicated by reduced SQLE protein levels[1].

References:
[1]. Benjamin S, et al. INDOLE-SUBSTITUTED PYRROLOPYRIMIDINYL INHIBITORS OF Uba6. WO2014022744A1. 2013-08-02.