

Product Data Sheet

Product Name: UBA6-IN-1

Cat. No.: GC79585

Chemical Properties

Cas. No. 1557137-61-7

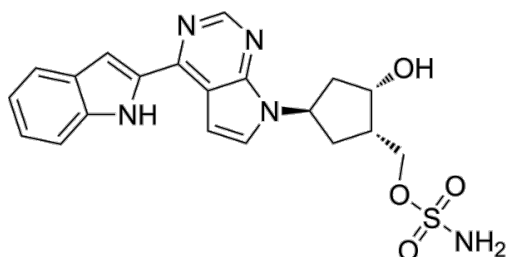
Formula $C_{20}H_{21}N_5O_4S$ M.Wt 427.48

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 ($IC_{50} \leq 50$ nM) that acts by reducing the level of squalene epoxidase (SQLE). UBA6-IN-1 affects SREBP-dependent lipid metabolism processes and

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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.

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