

Catalog	Unit
TBI4666-5MG	5 mg
TBI4666-25MG	25 mg

Product Details

Formal Name: N²,N⁷-Dicyclohexyl-9-hydroxyiminofluorene-2,7-disulfonamide

Alternate Names: Ferroptosis inducing 56

Molecular Formula: C₂₅H₃₁N₃O₅S₂

Formula Weight: 517.70

CAS Number: 1083162-61-1

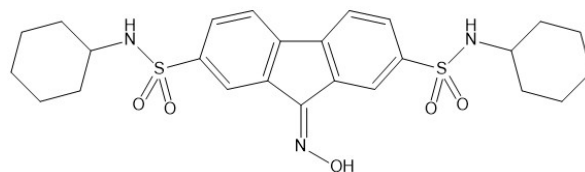
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Squalene synthase activator / GPX4 degradation

Functions

Novel inducer of ferroptosis acting via degradation of GPX4 and activation of squalene synthase (leading to CoQ10 depletion, a compound which inhibits ferroptosis via an unknown mechanism). FIN56 inhibited glioblastoma growth in vitro and in vivo via induction of ferroptosis as well as lysosomal membrane permeabilization.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.