

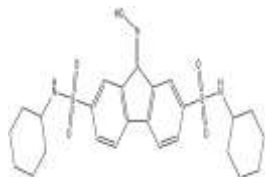
## PRODUCT: **FIN56**

**ALTERNATE NAME:** *N*<sup>6</sup>,*N*<sup>7</sup>-Dicyclohexyl-9-(hydroxyimino)-9*H*-fluorene-2,7-disulfonamide

**CATALOG #:** B2308-5,25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>25</sub>H<sub>31</sub>N<sub>3</sub>O<sub>5</sub>S<sub>2</sub>

**MOLECULAR WEIGHT:** 517.66

**CAS NUMBER:** 1083162-61-1

**APPEARANCE:** White solid

**SOLUBILITY:** DMSO (>40 mg/ml)

**PURITY:** ≥98%

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** FIN56 is a specific inducer of ferroptosis, a non-apoptotic form of cell death characterized by iron-dependent accumulation of lipid peroxidation products and lethal reactive oxygen species (ROS). FIN56 activates squalene synthase (SQS) leading to coenzyme Q<sub>10</sub> depletion. Also induces degradation of glutathione peroxidase 4 (GPX4), via acetyl-CoA carboxylase (ACC).

**REFERENCES:** Shimada, K., *et al.* (2016). *Nat. Cell Biol.* **12**, 497-503.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

### RELATED PRODUCTS:

N-Acetyl-4-benzoquinone Imine (**B2306**)

L-Buthionine-(S,R)-Sulfoximine (**B2305**)

Erastin (**2231**)

EZSolution™ Erastin (**B1502**)

Ferrostatin-1 (**2230**)

FIN56 (**B2308**)

Glutathione ethyl ester (**B2307**)

Glutathione Peroxidase Colorimetric Assay Kit (**K762**)

ML-162 (**B2304**)

RSL3 (**B2303**)

**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**