

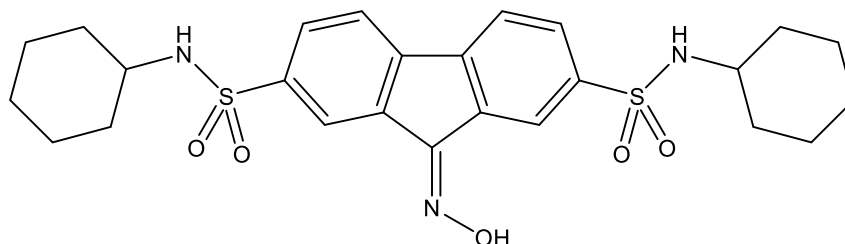
**Catalog # 10-4666**

**FIN56**

CAS# 1083162-61-1

*N,N'*-Dicyclohexyl-9-hydroxyiminofluorene-2,7-disulfonamide

Lot # FBS2199



FIN56 is a 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).<sup>1</sup> FIN56 inhibited glioblastoma growth *in vitro* and *in vivo* *via* induction of ferroptosis as well as lysosomal membrane permeabilization.<sup>2</sup>

- 1) Shimada *et al.* (2016), *Global survey of cell death mechanisms reveals metabolic regulation of ferroptosis*; Nat. Chem. Biol. **12** 497
- 2) Zhang *et al.* (2021), *FIN56, a novel ferroptosis inducer, triggers lysosomal membrane permeabilization in a TFEB-dependent manner in glioblastoma*; J. Cancer **12** 6610

**PHYSICAL DATA**

Molecular Weight:	517.66
Molecular Formula:	C <sub>25</sub> H <sub>31</sub> N <sub>3</sub> O <sub>5</sub> S <sub>2</sub>
Purity:	>98% HPLC
	NMR: (Conforms)
Solubility:	Soluble in DMSO (>25 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Store solutions at -20°C for up to 2 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.