

DTUN

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Appearance:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	DTUN is a lipophilic hyponitrite radical initiator. It initiates co-oxidation of STY-BODIPY-embedded egg phosphatidylcholine liposomes when used at a concentration of 0.2 mM. DTUN has been used in fluorescence-enabled inhibited autoxidation (FENIX) assays for the development of ferroptosis inhibitors and the study of antioxidants in lipid membranes. ^{1,2}
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: 50 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Shah, R., Farmer, L.A., Zilka, O., et al. Beyond DPPH: Use of fluorescence-enabled inhibited autoxidation to predict oxidative cell death rescue. *Cell Chem. Biol.* 26(11):1594-1607(2019)

Soula, M., Weber, R.A., Zilka, O., et al. Metabolic determinants of cancer cell sensitivity to canonical ferroptosis inducers. *Nat. Chem. Biol.* 16(12):1351-1360(2020)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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