

1(R)-(Trifluoromethyl)oleyl alcohol

Chemical Properties

CAS No. : 2644636-20-2

Formula:

Molecular Weight:

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

Actual storage temperature shall be subject to the COA.

Biological Description

Description	1(R)-(Trifluoromethyl)oleyl alcohol is an analog of oleic acid .It inhibits ferroptosis induced by erastin in primary fibroblasts isolated from patients with Friedreich ataxia, a neuro- and cardiodegenerative disorder characterized by loss or impaired activity of frataxin (FXN), when used at concentrations of 5, 10, or 20 μ M. 1(R)-(Trifluoromethyl)oleyl alcohol (5 μ M) reduces lipid peroxidation induced byFXNsiRNA knockdown in NBT human myoblasts.
Targets(IC50)	Others

Solubility Information

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

Cotticelli, M.G., Forestieri, R., Xia, S., et al. Identification of a novel oleic acid analog with protective effects in multiple cellular models of Friedreich ataxia ACS Chem. Neurosci. 11(17)2535-2542(2020)

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