

Coumarin-Quinone Conjugate

Chemical Properties

CAS No. :

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	Coumarin-quinone conjugate is a fluorescent substrate for NADH:ubiquinone oxidoreductases. It is comprised of a coumarin fluorophore conjugated to a ubiquinone analog that can be reduced by NADH:ubiquinone oxidoreductases. It has been used to measure the kinetic parameters of apoptosis-inducing factor mitochondria-associated 2/ferroptosis suppressor protein 1 (AIFM2/FSP1).
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: Soluble DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Doll, S., Freitas, F.P., Shah, R., et al. FSP1 is a glutathione-independent ferroptosis suppressor. *Nature* 575(7784):693-698(2019)

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481