

Cathepsin D and E FRET Substrate acetate(839730-93-7 Free base)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from moisture
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	Cathepsin D and E FRET Substrate acetate is a fluorogenic substrate selectively cleaved by cathepsins D and E at the Phe-Phe amide bond, demonstrating no activity towards cathepsins B, H, or L. This specificity renders it essential for routine assays and mechanistic studies focusing on cathepsins E and D[1].
Targets(IC50)	Cysteine Protease

Solubility Information

Solubility	H2O: 10 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Y Yasuda, et al. Characterization of new fluorogenic substrates for the rapid and sensitive assay of cathepsin E and cathepsin D. J Biochem

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