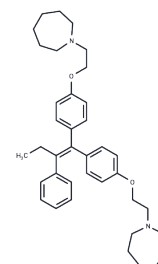


RID-F

Chemical Properties

CAS No. : 1020853-03-5
 Formula: C₃₈H₅₀N₂O₂
 Molecular Weight: 566.82
 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	RID-F is an inhibitor of the nonpeptidic proteasome.
Targets(IC50)	Others, Proteasome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7642 mL	8.8211 mL	17.6423 mL
5 mM	0.3528 mL	1.7642 mL	3.5285 mL
10 mM	0.1764 mL	0.8821 mL	1.7642 mL
50 mM	0.0353 mL	0.1764 mL	0.3528 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Tanaka M, Zhu Y, Shionyu M, Ota N, Shibata N, Watanabe C, Mizusawa A, Sasaki R, Mizukami T, Shiina I, Hasegawa M. Ridaifen-F conjugated with cell-penetrating peptides inhibits intracellular proteasome activities and induces drug-resistant cell death. *Eur J Med Chem.* 2018 Feb 25;146:636-650. doi: 10.1016/j.ejmech.2018.01.045. Epub 2018 Jan 31. PubMed PMID: 29407987.
- Cohen JM, Teeguarden JG, Demokritou P. An integrated approach for the in vitro dosimetry of engineered nanomaterials. *Part Fibre Toxicol.* 2014 May 1;11:20. doi: 10.1186/1743-8977-11-20. PubMed PMID: 24885440; PubMed Central PMCID: PMC4024018.
- Hasegawa M, Yasuda Y, Tanaka M, Nakata K, Umeda E, Wang Y, Watanabe C, Uetake S, Kunoh T, Shionyu M, Sasaki R, Shiina I, Mizukami T. A novel tamoxifen derivative, ridaifen-F, is a nonpeptidic small-molecule proteasome inhibitor. *Eur J Med Chem.* 2014 Jan;71:290-305. doi: 10.1016/j.ejmech.2013.11.009. Epub 2013 Nov 16. PubMed PMID: 24321833.

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