

## Bacterial Sortase Substrate III, Abz/DNP (TFA)

## Chemical Properties

CAS No. :

Formula: C43H58N11F3O16

Molecular Weight: 1042.02

Keep away from moisture

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	Bacterial Substrate III, Abz/DNP TFA is an internally quenched fluorescent peptide substrate. Staphylococcus aureus transpeptidase sortase A (SrtA) reacts with its native substrate Bacterial Sortase Substrate III, Abz/DNP, cleaving it and catalyzing the formation of an amide bond between the carboxyl group of threonine and the amino group of cell-wall crossbridges.
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## Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9597 mL	4.7984 mL	9.5967 mL
5 mM	0.1919 mL	0.9597 mL	1.9193 mL
10 mM	0.096 mL	0.4798 mL	0.9597 mL
50 mM	0.0192 mL	0.096 mL	0.1919 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

Zhang J, et al. Antiinfective therapy with a small molecule inhibitor of Staphylococcus aureus sortase. Proc Natl Acad Sci U S A. 2014 Sep 16;111(37):13517-22.

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