

## ROS inducer 8

## Chemical Properties

CAS No. :

Formula: C<sub>26</sub>H<sub>31</sub>FN<sub>6</sub>O<sub>6</sub>

Molecular Weight: 542.56

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	ROS inducer 8 (Compound 11g) acts as an inhibitor of glutathione (GSH) and promotes the accumulation of reactive oxygen species (ROS) in Enterococcus faecalis, exhibiting antibacterial properties. It is capable of disrupting biofilms and inhibiting S. aureus and E. faecalis with minimum inhibitory concentrations (MICs) of 8 µg/mL and 2 µg/mL, respectively, demonstrating a post-antibiotic effect. Additionally, ROS inducer 8 shows low hemolytic toxicity on sheep red blood cells with an HC50 greater than 1280 µg/mL.
Targets(IC50)	Reactive Oxygen Species,Antibacterial,ROS

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8431 mL	9.2156 mL	18.4311 mL
5 mM	0.3686 mL	1.8431 mL	3.6862 mL
10 mM	0.1843 mL	0.9216 mL	1.8431 mL
50 mM	0.0369 mL	0.1843 mL	0.3686 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286

E\_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481