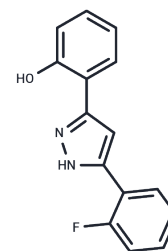


VU0420373

Chemical Properties

CAS No. : 38376-29-3
 Formula: C₁₅H₁₁FN₂O
 Molecular Weight: 254.26
 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	VU0420373 is a potent activator of the heme sensor system (HssRS), demonstrating an EC ₅₀ of 10.7 μM and a pEC ₅₀ of 4.97. It induces heme biosynthesis and exhibits toxicity towards fermenting <i>S. aureus</i> [1].
Targets(IC ₅₀)	Others,Antibacterial
In vitro	VU0420373 (compound 2e) exhibits an IC ₅₀ of >60 μM for both Newman aerobic and Newman anaerobic conditions. Additionally, at a concentration of 40 μM and over exposure periods of 2, 4, 6, and 8 hours, it can pre-adapt <i>Staphylococcus aureus</i> to withstand toxic levels of heme (20 μM).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.933 mL	19.6649 mL	39.3298 mL
5 mM	0.7866 mL	3.933 mL	7.866 mL
10 mM	0.3933 mL	1.9665 mL	3.933 mL
50 mM	0.0787 mL	0.3933 mL	0.7866 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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