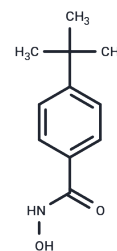


## 4-(tert-Butyl)-benzhydroxamic Acid

## Chemical Properties

CAS No. :	62034-73-5
Formula:	C <sub>11</sub> H <sub>15</sub> NO <sub>2</sub>
Molecular Weight:	193.24
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	4-(tert-Butyl)-benzhydroxamic Acid is a PqsR antagonist with IC <sub>50</sub> s of 12.5 μM and 23.6 μM for E. coli and P. aeruginosa, respectively, and it reduces the production of the virulence factor pyocyanin in P. aeruginosa with an IC <sub>50</sub> of 87.2 μM[1].
Targets(IC <sub>50</sub> )	Others,Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1749 mL	25.8746 mL	51.7491 mL
5 mM	1.035 mL	5.1749 mL	10.3498 mL
10 mM	0.5175 mL	2.5875 mL	5.1749 mL
50 mM	0.1035 mL	0.5175 mL	1.035 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

Klein T, et al. Identification of small-molecule antagonists of the Pseudomonas aeruginosa transcriptional regulator PqsR: biophysically guided hit discovery and optimization. ACS Chem Biol. 2012 Sep 21;7(9):1496-501.

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