Data Sheet (Cat.No.T37341)

TargetMol
YOUR TARGET MOLECULES

N-Acetyltyramine

Chemical Properties

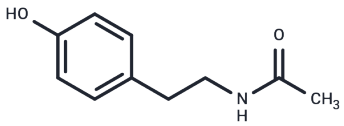
CAS No. : 1202-66-0

Formula: C10H13NO2

Molecular Weight: 179.22

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	N-Acetyltyramine is the active compound extracted from a fermentation broth of strain M3-10 which produces quorum-sensing inhibitor (QSI) compound. N-Acetyltyramine inhibits Chromobacterium violaceum ATCC 12472 violacein production and virulence factors, such as pyoverdine production, as well as swarming and twitching motilities, produced by Pseudomonas aeruginosa PAO1.
Targets(IC50)	Antibacterial
In vitro	N-Acetyltyramine enhances cytotoxicity of doxorubicin in resistant P388 murine leukemia cells (IC50 = 0.13 μg/ml)[1].

Solubility Information

Solubility	DMSO: 4 mg/mL (22.32 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5797 mL	27.8987 mL	55.7973 mL
5 mM	1.1159 mL	5.5797 mL	11.1595 mL
10 mM	0.558 mL	2.7899 mL	5.5797 mL
50 mM	0.1116 mL	0.558 mL	1.1159 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.

Reference

Kunimoto S, et al. Reversal of resistance by N-acetyltyramine or N-acetyl-2-phenylethylamine in doxorubicin-resistant leukemia P388 cells. J Antibiot (Tokyo). 1987;40(11):1651-1652.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481