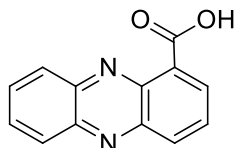


Tubermycin B

Code No.: **BIA-T1524**

Pack sizes: **1 mg, 5 mg**



Synonyms : Phenazine-1-carboxylic acid, X-Pigment, Shenqinmycin

Specifications

CAS #	: 2538-68-3
Molecular Formula	: C ₁₃ H ₈ N ₂ O ₂
Molecular Weight	: 224.2
Source	: <i>Pseudomonas aeruginosa</i>
Appearance	: Yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Tubermycin B (1-phenazinecarboxylic acid) is a simple phenazine produced by several species of *Pseudomonas* and Actinomycetes. Tubermycin B is a weakly active antibacterial compound that plays a role in the biocontrol of plant diseases by several *Pseudomonas* strains. Tubermycin B and related phenazines are important dereplication standards in discovery research to eliminate leads due to high amounts of weakly potent actives.

References

1. Antibiotic substances produced by *Pseudomonas aeruginosa*. Hays E.E. et al., J. Biol. Chem. 1945, 159, 725.
2. Biosynthesis and regulation of phenazine compounds in *Pseudomonas* spp. Mavrodi D.V. et al., in *Pseudomonas*, model organism, pathogen, cell factory. (B.H.A. Verlag GmbH & Co. Germany) 2009, 331.