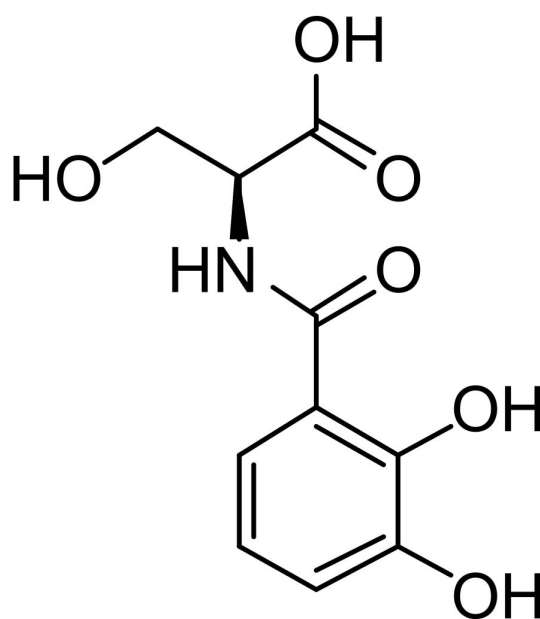


Dihydroxybenzoyl)-L-serine, N-
(2,3-

Code No.: BIA-D2685

Pack sizes.: 5mg, 25mg



Synonyms:

-

Specifications

CAS #	: 7724-78-9
Molecular Formula	: C₁₀H₁₁NO₆
Molecular Weight	: 241.2
Source	: -
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

N-(2,3-dihydroxybenzoyl)-L-serine is a catecholate siderophore and endogenous metabolite of *E. coli* and other Gram-negative bacteria. N-(2,3-dihydroxybenzoyl)-L-serine is the biosynthetic precursor and breakdown product of enterobactin.

References

1. Iron uptake in *Pseudomonas aeruginosa* mediated by N-(2,3-dihydroxybenzoyl)-L-serine and 2,3-dihydroxybenzoic acid. Screen J. et al. *FEMS Microbiol Lett* 1995, 127, 145.
2. Insight into siderophore-carrying peptide biosynthesis: Enterobactin is a precursor for microcin E492 posttranslational modification. Vassiliadis G. et al. *Antimicrob Agents Chemother* 2007, 51, 3546.
3. IroN, a novel outer membrane siderophore receptor characteristic of *Salmonella enterica*. Baumler A.J. et al. *J Bacteriol* 1998, 180, 1446.