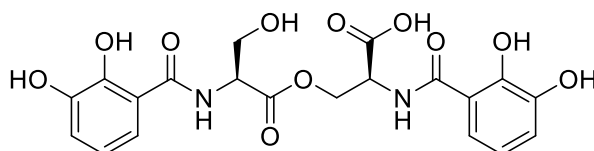


N,N'-bis(2,3-Dihydroxybenzoyl)-O-L-seryl-L-serine

Code No.: **BIA-D2284**

Pack sizes: **0.1 mg, 0.5 mg**



Synonyms :

Specifications

CAS #	: 30414-15-4
Molecular Formula	: C₂₀H₂₀N₂O₁₁
Molecular Weight	: 464.4
Source	: <i>Streptomyces</i> sp.
Appearance	: Tan solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

N-(2,3-dihydroxybenzoyl)-O-L-seryl-L-serine is a catecholate siderophore and endogenous metabolite of *E. coli* and other Gram-negative bacteria. N-(2,3-dihydroxybenzoyl)-O-L-seryl-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.