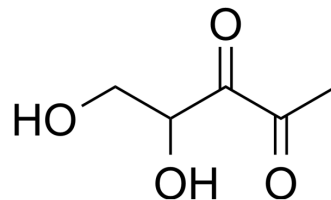


4,5-Dihydroxy-2,3-pentanedione

Cat. No.:	HY-156043
CAS No.:	142937-55-1
Molecular Formula:	C ₅ H ₈ O ₄
Molecular Weight:	132.11
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

4,5-Dihydroxy-2,3-pentanedione is a production of S-ribosylhomocysteine. 4,5-Dihydroxy-2,3-pentanedione reacts with boric acid to synthesize AI-2 (an autoinducer)^[1].

REFERENCES

[1]. S Schauder, et al. The LuxS family of bacterial autoinducers: biosynthesis of a novel quorum-sensing signal molecule. Mol Microbiol. 2001 Jul;41(2):463-76.

Caution: Product has not been fully validated for medical applications. For research use only.

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