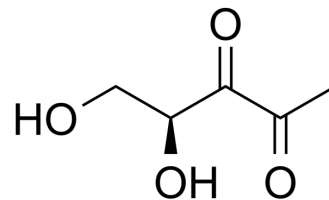


(S)-DPD

Cat. No.:	HY-151235
CAS No.:	710324-30-4
Molecular Formula:	C ₅ H ₈ O ₄
Molecular Weight:	132.11
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(S)-DPD is the precursor of autoinducer AI-2, the proposed signal for bacterial interspecies communication ^[1] .
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REFERENCES

[1]. Sigrid C J De Keersmaecker, et al. Chemical synthesis of (S)-4,5-dihydroxy-2,3-pentanedione, a bacterial signal molecule precursor, and validation of its activity in *Salmonella typhimurium*. *J Biol Chem*. 2005 May 20;280(20):19563-8.

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

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