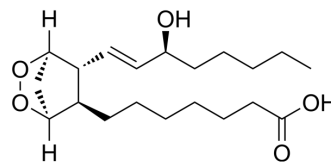


Prostaglandin H1

Cat. No.:	HY-126819
CAS No.:	52589-22-7
Molecular Formula:	C ₂₀ H ₃₄ O ₅
Molecular Weight:	354.48
Target:	Prostaglandin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Prostaglandin H1 (PGH1), the cyclooxygenase metabolite of DGLA, is also a CRTh2 agonist and precursor for the anti-inflammatory prostaglandins of the 1-series. Prostaglandin H1 can be used in the study of inflammation ^[1] .								
IC₅₀ & Target	CRTh2 ^[1] .								
In Vitro	<p>Prostaglandin H1 (0-10 μM; 60 min) activates human Th2 cells via CRTH2^[1].</p> <p>Prostaglandin H1 induces Ca²⁺ mobilization in human eosinophils via CRTH2^[1].</p> <p>Prostaglandin H1 (1 μM; 10 min) induces eosinophil adhesion to human pulmonary microvascular endothelial cells under flow conditions^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>Th2 cells</td> </tr> <tr> <td>Concentration:</td> <td>0-10 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>60 min</td> </tr> <tr> <td>Result:</td> <td>Induced Th2 cells migration.</td> </tr> </table>	Cell Line:	Th2 cells	Concentration:	0-10 μM	Incubation Time:	60 min	Result:	Induced Th2 cells migration.
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Result:	Induced Th2 cells migration.								

REFERENCES

[1]. Schröder R, et al. PGH1, the precursor for the anti-inflammatory prostaglandins of the 1-series, is a potent activator of the pro-inflammatory receptor CRTH2/DP2. PLoS One. 2012;7(3):e33329.

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

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