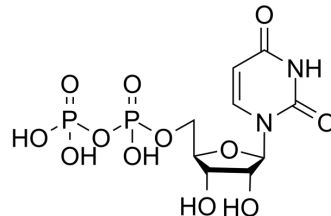


Uridine 5'-diphosphate

Cat. No.:	HY-113359
CAS No.:	58-98-0
Molecular Formula:	C ₉ H ₁₄ N ₂ O ₁₂ P ₂
Molecular Weight:	404.16
Target:	Endogenous Metabolite; P2Y Receptor
Pathway:	Metabolic Enzyme/Protease; GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Uridine 5'-diphosphate is a P2Y ₆ receptor agonist with an EC ₅₀ of 0.013 μM for human P2Y ₆ receptor ^[1] .
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Ashleigh S Paparella, et al. Clostridioides difficile TcdB Toxin Glucosylates Rho GTPase by an S_Ni Mechanism and Ion Pair Transition State. ACS Chem Biol. 2022 Sep 16;17(9):2507-2518.

[2]. Besada P, et al. Structure-activity relationships of uridine 5'-diphosphate analogues at the human P2Y₆ receptor. J Med Chem. 2006 Sep 7;49(18):5532-43.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA