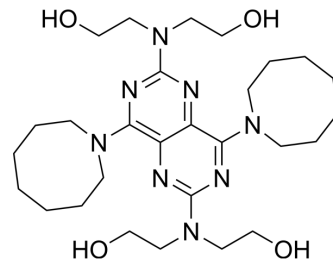


8MDP

Cat. No.:	HY-110104
CAS No.:	29491-75-6
Molecular Formula:	C ₂₈ H ₄₈ N ₈ O ₄
Molecular Weight:	560.73
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	8MDP is a potent equilibrative nucleoside transporter 1 (ENT1) inhibitor with an IC ₅₀ of 0.43 nM. 8MDP inhibits hENT1 and hENT2 uptake of [³ H] uridine by K562 cells and K15NTD cells ^{[1][2]} .
IC ₅₀ & Target	Equilibrative Nucleoside Transporter 1 (ENT1) ^[1]

REFERENCES

[1]. Lin W, et al. Synthesis, flow cytometric evaluation, and identification of highly potent dipyridamole analogues as equilibrative nucleoside transporter 1 inhibitors. J Med Chem. 2007 Aug 9;50(16):3906-20.

[2]. Lin W, et al. Design, synthesis, and evaluation of 2-diethanolamino-4,8-diheptamethyleneimino-2-(N-aminoethyl-N-ethanolamino)-6-(N,N-diethanolamino)pyrimido[5,4-d]pyrimidine-fluorescein conjugate (8MDP-fluor), as a novel equilibrative nucleoside transporter probe. Bioconjug Chem. 2011 Jun 15;22(6):1221-7.

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

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