

Catalog	Unit
TBI1095 - 1G	1 g

Product Details

Formal Name: 2,6-bis(Diethanolamino)-4,8-dipiperidinopyrimido[5,4-d]pyrimidine.

Alternate Names: NSC-515776.

Molecular Formula: C₂₄H₄₀N₈O₄.

Formula Weight: 504.63.

CAS Number: 58-32-2.

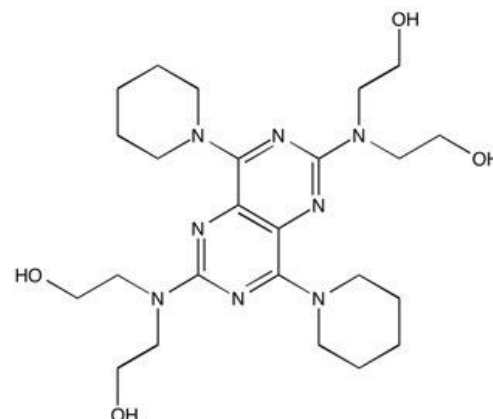
Purity: ≥98%

Formulation: Powder.

Solubility: Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 5 mg/ml).

Storage: Room Temperature.

Stability: ≥ 2 years.



Applications

Phosphodiesterase PDE5 inhibitor.

Functions

Phosphodiesterase inhibitor (IC₅₀=0.37, 0.38, 0.45, 0.9 and 4.5 μM for PDE11, 6, 10, 5 and 8 respectively. Potent equilibrative nucleoside transporter 1 (ENT1) inhibitor K_i=8.2 nM vs. 144.8 nM for ENT1 and ENT2 respectively. Antiplatelet activity.

Application Procedures

Dipyridamole can be first dissolved in DMSO (up to 50 mg/ml) or in Ethanol (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Relative Products

TBI2438	EHNA Hydrochloride, PDE2 and ADA Inhibitor
TBI1220	Anagrelide HCl, PDE3 Inhibitor
TBI1221	Sildenafil citrate, PDE5 Inhibitor
TBI1008	IBMX, PDE Inhibitor (Pan Specific)
TBI1126	Vinpocetine, PDE1 Inhibitor
TBI2657	Roflumilast, PDE4 Inhibitor
TBI1319	BML-288, PDE2 Inhibitor
TBI2584	Cilostamide, PDE3 Inhibitor
TBI1131	Cilostazol, PDE3A Inhibitor

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