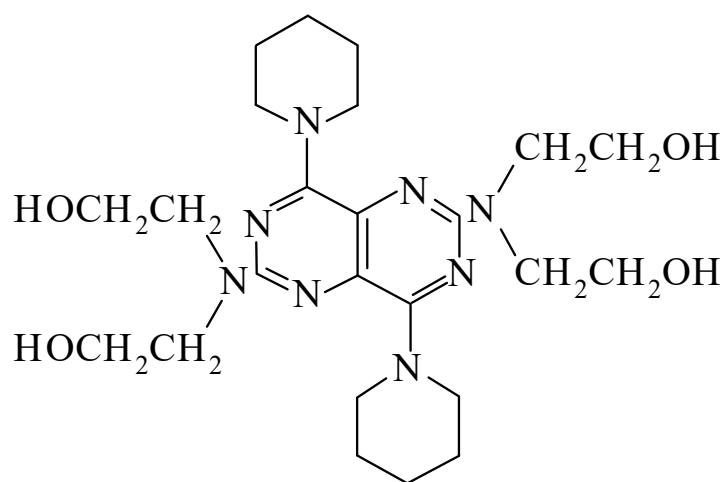




>>Entry Name: Dipyridamole, BAN, INN, USAN

Synonym(s): 2,2',2'',2'''-[(4,8-Di-1-piperidinylpyrimido[5,4-*d*]pyrimidine-2,6-diyl)dinitrilo]tetrakisethanol, 9Cl. 2,2',2'',2'''-[(4,8-Dipiperidinopyrimido[5,4-*d*]pyrimidine-2,6-diyl)dinitrilo]tetraethanol, 8Cl. Persantin. NSC 515776. Curantyl. Many other names



CAS Registry Number: 58-32-2

Type of Compound Code(s): XA5970 XA7000 XA5940 XA2290

Molecular Formula: C₂₄H₄₀N₈O₄

Molecular Weight: 504.631

Accurate Mass: 504.317252

Percentage Composition: C 57.12%; H 7.99%; N 22.21%; O 12.68%

Use/Importance: Coronary vasodilator, enhances effects of anticoagulants. Adenosine uptake inhibitor causing indirect adenosine receptor activation

Physical Description: Yellow needles (EtOAc)

Melting Point: Mp 163°

Solubility: Sol. dil. acids

Calculated Log P Data: Log P 2.2 (calc)

Hazard & Toxicity: Gastrointestinal disturbances, headache, dizziness, facial flushing and skin rash reported when used therapeutically. LD₅₀ (rat, orl) 8400 mg/kg

Aldrich: 28567-6

Sigma: D9766

References:

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Adams, G.E., *Adv. Med.*, 1980, **16**, 171, (*rev*)
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