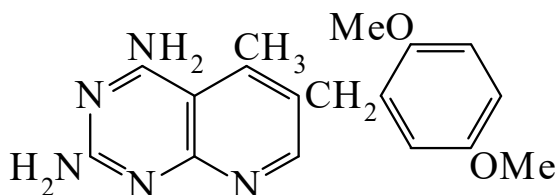




>>Entry Name: Piritrexim, INN

Synonym(s): 6-[(2,5-Dimethoxyphenyl)methyl]-5-methylpyrido[2,3-*d*]pyrimidine-2,4-diamine, 9Cl. BW 301U. NSC 351521. PTX



CAS Registry Number: 72732-56-0

Molecular Formula: C₁₇H₁₉N₅O₂

Molecular Weight: 325.369

Accurate Mass: 325.153875

Percentage Composition: C 62.76%; H 5.89%; N 21.52%; O 9.83%

Use/Importance: Dihydrofolate reductase inhibitor; antineoplastic agent. Shows antipsoriatic activity

Physical Description: Yellow powder

Melting Point: Mp 252-254°

Calculated Log P Data: Log P 2.49 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 1168 mg/kg

>>Derivative: Hydrochloride

CAS Registry Number: 72676-60-9

Physical Description: Cryst. + ½ H₂O (EtOH aq./HCl)

Melting Point: Mp 283-286°

>>Derivative: 2-Hydroxyethanesulfonate

Synonym(s): Piritrexim isethionate, USAN

CAS Registry Number: 79483-69-5

Molecular Formula: C₁₉H₂₅N₅O₆S

Molecular Weight: 451.502

Accurate Mass: 451.152555

Percentage Composition: C 50.54%; H 5.58%; N 15.51%; O 21.26%; S 7.10%

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