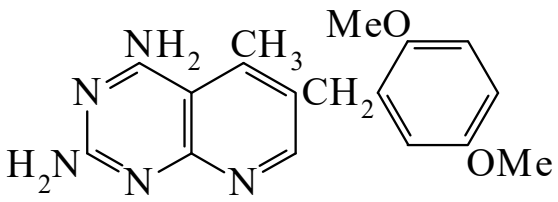
>>**Entry Name: Piritrexim,** INN
Synonym(s): 6-[(2,5-Dimethoxyphenyl)methyl]-5-methylpyrido[2,3-*d*]pyrimidine-2,4-diamine, 9CI. BW 301U. NSC 351521. PTX



CAS Registry Number: 72732-56-0

Molecular Formula: $C_{17}H_{19}N_5O_2$
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: LD_{50} (rat, orl) 1168 mg/kg

>>**Derivative:** Hydrochloride

CAS Registry Number: 72676-60-9
Physical Description: Cryst. + ½ H_2O (EtOH aq./HCl)
Melting Point: Mp 283-286°

>>**Derivative:** 2-Hydroxyethanesulfonate
Synonym(s): Piritrexim isethionate, USAN

CAS Registry Number: 79483-69-5
Molecular Formula: $C_{19}H_{25}N_5O_6S$
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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