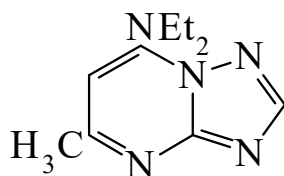




>>Entry Name: **Trapidil**, INN, JAN

Synonym(s): *N,N*-Diethyl-5-methyl[1,2,4]triazolo[1,5]pyrimidin-7-amine, 9Cl. 7-(Diethylamino)-5-methyl-*s*-triazolo[1,5-*a*]pyrimidine, 8Cl. Anangi. Calsil. Hypos. Momentol. Rocornal. Travisco. AR 12008. Many other names



CAS Registry Number: 15421-84-8

Related CAS Registry Numbers(s): 16283-80-0

Molecular Formula: C₁₀H₁₅N₅

Molecular Weight: 205.262

Accurate Mass: 205.132745

Percentage Composition: C 58.52%; H 7.37%; N 34.12%

Use/Importance: Vasodilator with antianginal props. used in the treatment of ischaemic heart disease. Phosphodiesterase inhibitor, antilipidaemic agent, platelet-derived growth factor

Physical Description: Bitter-tasting powder

Melting Point: Mp 98-99.4°

Calculated Log P Data: Log P 1.94 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 235 mg/kg. LD₅₀ (rat, ipr) 100 mg/kg. Exp. reprod. and teratogenic effects

References:

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Herrmann, R., *J. Pharm. Biomed. Anal.*, 1990, **8**, 1045, (*hplc*)
Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 1026
Gesualdo, L. *et al.*, *Kidney Int.*, 1994, **46**, 1002, (*pharmacol*)
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