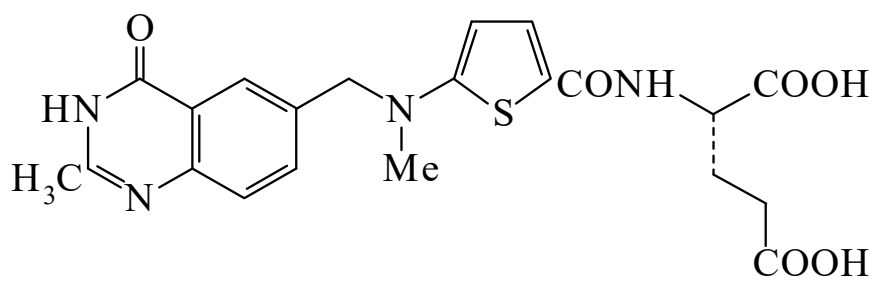




>>Entry Name: Raltitrexed, BAN, INN, USAN

Synonym(s): *N*-[[5-[[[(1,4-Dihydro-2-methyl-4-oxo-6-quinazolinyl)methyl]methylamino]-2-thienyl]carbonyl]glutamic acid, 9Cl. Tomudex. ZD 1694



CAS Registry Number: 112887-68-0

Molecular Formula: C₂₁H₂₂N₄O₆S

Molecular Weight: 458.494

Accurate Mass: 458.126006

Percentage Composition: C 55.01%; H 4.84%; N 12.22%; O 20.94%; S 6.99%

Use/Importance: Thymidylate synthase inhibitor. Antineoplastic agent

Physical Description: Amorph. solid

Development Status: Launched 1996 (UK) (Zeneca)

Melting Point: Mp 180-184°

References:

Eur. Pat., 1987, *ICI*, 239 362; *CA*, **108**, 205094d, (*synth*)

Jackman, A.L. *et al.*, *Cancer Res.*, 1991, **51**, 5579, (*pharmacol*)

Marsham, P.R. *et al.*, *J. Med. Chem.*, 1991, **34**, 1594, (*synth, pmr, ms, pharmacol*)

Keyomarsi, K. *et al.*, *J. Biol. Chem.*, 1993, **268**, 15142, (*pharmacol*)

Marsham, P.R., *J. Het. Chem.*, 1994, **31**, 603, (*rev*)

Harrap, K.R., *Cancer Res.*, 1995, **55**, 2761, (*pharmacol, rev*)

Gunasekara, N.S. *et al.*, *Drugs*, 1998, **55**, 423-435, (*rev*)