

Product Name : Nolatrexed dihydrochloride

Synonyms : AG 337; Thymitaq

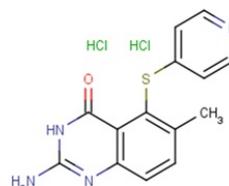
Cat No. : M17332

CAS Number : 152946-68-4

Molecular Formula : C₁₄H₁₄Cl₂N₄O₅

Formula Weight : 357.26

Chemical Name : —



Description : Nolatrexed Dihydrochloride is the dihydrochloride salt of nolatrexed, a water-soluble lipophilic quinazoline folate analog with antineoplastic activity. Nolatrexed occupies the folate binding site of thymidylate synthase, resulting in inhibition of thymidylate synthase activity and thymine nucleotide synthesis with subsequent inhibition of DNA replication, DNA damage, S-phase cell cycle arrest, and caspase-dependent apoptosis. This agent also exhibits radiosensitizing activity.

Pathway : Others

Target : Other Targets

Receptor : Thymidylate synthase

Solubility : DMSO : 41.67 mg/mL. 116.64 mM;

SMILES : Cc1c(c2c(cc1)[nH]c(N)nc2=O)Sc1ccncc1.Cl.Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Hughes AN, et al. Br J Y. 2000 May;82(9):1519-27.