

Product Name : Midazolam maleate

Synonyms : Domicum; Versed

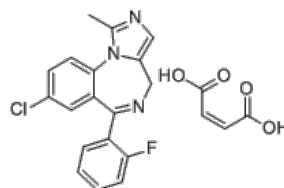
Cat No. : M15207

CAS Number : 59467-94-6

Molecular Formula : C₂₂H₁₇ClFN₃O₄

Formula Weight : 441.84

Chemical Name : 8-chloro-6-(2-fluorophenyl)-1-methyl-4H-imidazo[1,5-a][1,4]benzodiazepine maleate



Description : Midazolam (Domicum; Versed) is a short-acting benzodiazepine derivative with anxiolytic, amnestic, hypnotic, anticonvulsant and sedative properties; exerts its effect by binding to the benzodiazepine receptor at GABA receptor-chloride ionophore complex in the central nervous system (CNS), leads to an increase in the opening of chloride channels, membrane hyperpolarization and increases the inhibitory effect of GABA in the CNS. Epilepsy Approved

Pathway : Membrane Transporter/Ion Channel

Target : GAT

Receptor : GAT

Solubility : —

SMILES : CC1=NC=C2N1C3=C(C=C(C=C3)Cl)C(=NC2)C4=CC=CC=C4F.C(=CC(=O)O)C(=O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Gerecke M. Br J Clin Pharmacol. 1983; 16 Suppl 1:11S-16S. | 2. Polc P, et al. Brain Res. 1981 Jul 27; 217(1):216-20. | 3. Stryker TD, et al. Brain Res. 1986 Jan 8; 362(2):339-43. | 4. Audi EA, et al. Eur J Pharmacol. 1984 Aug 17; 103(3-4):279-85.