

Product Name : Prinomastat

Synonyms : AG3340

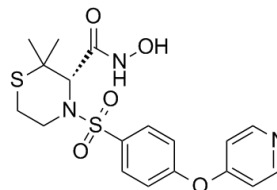
Cat No. : M13014

CAS Number : 192329-42-3

Molecular Formula : C₁₈H₂₁N₃O₅S₂

Formula Weight : 423.50

Chemical Name : 3-Thiomorpholinecarboxamide, N-hydroxy-2,2-dimethyl-4-[[4-(4-pyridinyloxy)phenyl]sulfonyl]-, (S)-



Description : Prinomastat (AG3340) is a potent, selective MMP inhibitor with pM affinities for inhibiting gelatinases (MMP-2 and -9, K_i=50-150 pM), MMP-14 and MMP-13; demonstrates broad antitumor activity in a number of tumor models, inhibits glioma invasion or growth of the human malignant glioma cell line U87; also suppresses tumor growth in a malignant glioma tumor model. Brain Cancer Phase 2 Discontinued

Pathway : Metabolic Enzyme/Protease

Target : MMP

Receptor : MMP

Solubility : —

SMILES : O=C([C@@H]1N(S(=O)(C2=CC=C(OC3=CC=NC=C3)C=C2)=O)CCSC1(C)C)NO

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Price A, et al. Clin Cancer Res. 1999 Apr;5(4):845-54. | 2. Santos O, et al. Clin Exp Metastasis. 1997 Sep;15(5):499-508. | 3. Shalinsky DR, et al. Ann N Y Acad Sci. 1999 Jun 30;878:236-70. | 4. Shalinsky DR, et al. Clin Cancer Res. 1999 Jul;5(7):1905-17.