

Product Name : ZM39923

Synonyms : ZM-39923

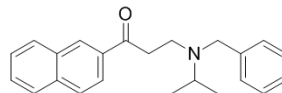
Cat No. : M13837

CAS Number : 273727-89-2

Molecular Formula : C₂₃H₂₅NO

Formula Weight : 331.45

Chemical Name : 1-Propanone, 3-[(1-methylethyl)(phenylmethyl)amino]-1-(2-naphthalenyl)-



Description : ZM39923 is a potent, selective JAK3 inhibitor with pIC₅₀ of 7.1, also potently inhibits human tissue transglutaminase (TGM2) with IC₅₀ of 10 nM; ZM39923 is less potent for EGFR, JAK1 and CDK4 with pIC₅₀ of 5.6, 4.4 and < 5.0, no activity for JAK2; alters TGM2 activity in polyglutamine-expressing Drosophila model of neurodegeneration and is found to improve survival; significantly attenuates CCR7-induced Jak3 phosphorylation in metastatic SCCHN cells.

Pathway : Angiogenesis

Target : JAK

Receptor : JAK

Solubility : 10 mM in DMSO

SMILES : O=C(C1=CC=C2C=CC=CC2=C1)CCN(C(C)C)CC3=CC=CC=C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Lai TS, et al. Chem Biol. 2008 Sep 22;15(9):969-78. | 2. Zhang Z, et al. Oncol Lett. 2017 May;13(5):3191-3197. | 3. Luo C, et al. Drug Discov Today. 2004 Mar 15;9(6):268-75. | 4. Brown GR, et al. Bioorg Med Chem Lett. 2000 Mar 20;10(6):575-9.