

Product Name : MELK inhibitor 17

Synonyms : —

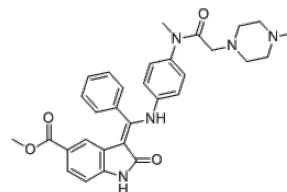
Cat No. : M13297

CAS Number : 2095596-44-2

Molecular Formula : C₃₁H₃₃N₅O₄

Formula Weight : 539.64

Chemical Name : methyl (Z)-3-(((4-(N-methyl-2-(4-methylpiperazin-1-yl)acetamido)phenyl)amino)(phenyl)methylene)-2-oxoindoline-5-carboxylate



Description : MELK inhibitor 17 is a potent, selective MELK inhibitor with K_i/IC_{50} of 0.39/3 nM, >100-fold selectivity over CHK1, CAMKK2, NUAK1 and ERK2; inhibits the expression of the anti-apoptotic protein Mcl-1 and proliferation of TNBC cells exhibiting selectivity for cells expressing high levels of MELK.

Pathway : PI3K/Akt/mTOR signaling

Target : MELK

Receptor : MELK

Solubility : —

SMILES : CO=C(C1=CC2=C(NC(=C2)C(=CC3=CC=C(N(C)C(CN4CCN(C)CC4)=O)C=C3)/C5=CC=CC=C5)=O)C=C1)OC

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Edupuganti R, et al. Bioorg Med Chem. 2017 May 1;25(9):2609-2616.