

Product Name : Dimethylenastron

Synonyms : Dimethylenastron

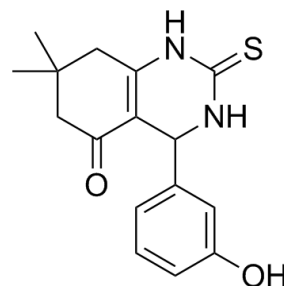
Cat No. : M16256

CAS Number : 863774-58-7

Molecular Formula : C₁₆H₁₈N₂O₂S

Formula Weight : 302.39

Chemical Name : 5(1H)-Quinazolinone, 2,3,4,6,7,8-hexahydro-4-(3-hydroxyphenyl)-7,7-dimethyl-2-thioxo-



Description : A small molecule inhibitor of the mitotic kinesin Eg5; inhibits endothelial cell proliferation and migration in vitro; exhibits a shorter mitotic arrest, bipolar or multipolar karyokinesis, followed by apoptosis of the daughter cells in dimethylenastron-treated tetraploid cells.

Pathway : Cytoskeleton/Cell Adhesion Molecules

Target : Kinesin

Receptor : Eg5

Solubility : DMSO: ≥ 31 mg/mL

SMILES : O=C1C2=C(NC(NC2C3=CC=CC(O)=C3)=S)CC(C)(C)C1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Rello-Varona S, et al. Cell Cycle. 2009 Apr 1;8(7):1030-5. | 2. Exertier P, et al. Oncotarget. 2013 Dec;4(12):2302-16. | 3. Kaan HY, et al. J Med Chem. 2010 Aug 12;53(15):5676-83.