

Product Name : Rhosin hydrochloride

Synonyms : —

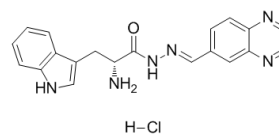
Cat No. : M23446

CAS Number : 1281870-42-5

Molecular Formula : C₂₀H₁₉ClN₆O

Formula Weight : 394.9

Chemical Name : —



Description : Rhosin hydrochloride is an effective and specific RhoA subfamily Rho GTPases inhibitor, which specifically binds to RhoA to inhibit RhoA-GEF interaction (K_d: ~ 0.4 μM). Rhosin hydrochloride does not interact with Cdc42 or Rac1, nor the GEF, LARG. Rhosin hydrochloride causes cell apoptosis.

Pathway : Apoptosis

Target : Apoptosis

Receptor : Apoptosis; RhoA

Solubility : DMSO: 100 mg/mL (253.25 mM; Need ultrasonic)

SMILES : O=C(N/N=C/C1=CC=C2N=CC=NC2=C1)[C@H](N)CC3=CNC4=C3C=CC=C4.Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Shang X, et al. Rational design of small molecule inhibitors targeting RhoA subfamily Rho GTPases. Chem Biol. 2012 Jun 22;19(6):699-710.