

Product Name : RAS activator compound 1

Synonyms : —

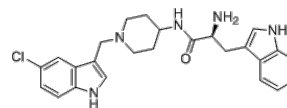
Cat No. : M12257

CAS Number : 1579978-17-8

Molecular Formula : C₂₅H₂₈ClN₅O

Formula Weight : 449.98

Chemical Name : (S)-2-amino-N-(1-((5-chloro-1H-indol-3-yl)methyl)piperidin-4-yl)-3-(1H-indol-3-yl)propanamide



Description : RAS activator compound 1 is a small molecule RAS activator compound that increases the rate of SOS-catalyzed nucleotide exchange in vitro with EC₅₀ of 14 uM; targets SOS1 induced biphasic modulation of RAS-GTP and ERK phosphorylation levels, through negative feedback on SOS1 that regulates the interaction between SOS1 and GRB2.

Pathway : MAPK/ERK Signaling

Target : Ras

Receptor : Ras

Solubility : —

SMILES : C1CN(CCC1NC(=O)C(CC2=CNC3=CC=CC=C32)N)CC4=CNC5=C4C=C(C=C5)Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Howes JE, et al. Mol Cancer Ther. 2018 May;17(5):1051-1060. 2. Burns MC, et al. Proc Natl Acad Sci U S A. 2014 Mar 4;111(9):3401-6.