

Product Name : TAOK inhibitor 43

Synonyms : CP 43; CP43; CP-43

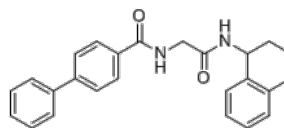
Cat No. : M16175

CAS Number : 850467-66-2

Molecular Formula : C₂₅H₂₄N₂O₂

Formula Weight : 384.50

Chemical Name : N-[2-oxo-2-(1,2,3,4-tetrahydronaphthalen-1-ylamino)ethyl]biphenyl-4-carboxamide



Description : TAOK inhibitor 43 is a novel potent, selective, ATP-competitive TAO Kinase (TAOK) inhibitor with IC₅₀ of 11 and 15 nM against TAOK1 and TAOK2, respectively; increases the mitotic population, the percentages of mitotic cells displaying amplified centrosomes and multipolar spindles, induces cell death, and inhibits cell growth in centrosome-amplified SKBR3 or BT549 breast cancer cell models.

Pathway : MAPK/ERK Signaling

Target : MEK

Receptor : MEK

Solubility : —

SMILES : O=C(C1=CC=C(C2=CC=CC=C2)C=C1)NCC(NC3CCCC4=C3C=CC=C4)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Koo CY, et al. Mol Cancer Ther. 2017 Nov;16(11):2410-2421.