

Product Data Sheet

Product Name: (+)-AS 115

Cat. No.: GC45257

Chemical Properties

Cas. No.

SMILES O=C(OC1=CC=CC=C1F)NCCOC[C@@H]2[C@H](COCCCC)CCCC2

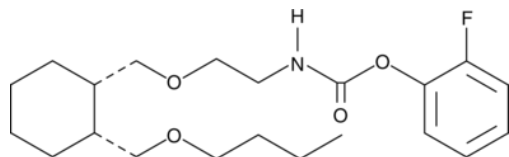
Formula C₂₁H₃₂FNO₄ M.Wt 381.5

Solubility DMF: 12 mg/ml, DMSO: 12 mg/ml, Ethanol: 30 mg/ml, Ethanol: PBS (pH 7.2) (1:3): 0.25 mg/ml
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

KIAA1363 is a 2-acetyl monoacylglycerol ether (MAGE) hydrolase that is upregulated in aggressive cancers from various tissues. The enzyme catalyzes the hydrolysis of the 2-acetyl MAGE to MAGE and serves as a central enzyme in the PAF and LPA signaling network. AS 115 is a potent and selective inactivator of KIAA1363, displaying an IC₅₀ value of 150 nM when tested as a racemic mixture in the invasive ovarian cancer cell line SKOV3. Treatment of SKOV3 cells with 10 μM AS-115 for 4 hours significantly reduced the formation of MAGE, alkyl-lysophosphatidylcholine, and alkyl-lysophosphatidic acid. The activity of the individual enantiomers of AS 115, i.e., (+)-AS 115 and (-)-AS 115, has not been determined.

Caution: Product has not been fully validated for medical applications. For research use only.

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