

Product Data Sheet

Product Name: BJE6-106

Cat. No.: GC35530

Chemical Properties

Cas. No. 1564249-38-2

SMILES O=CC1=C2C(C=CC(C)(C)O2)=CC(CCN3C4=C(C5=C3C=CC=C5)C=CC=C4)=C1

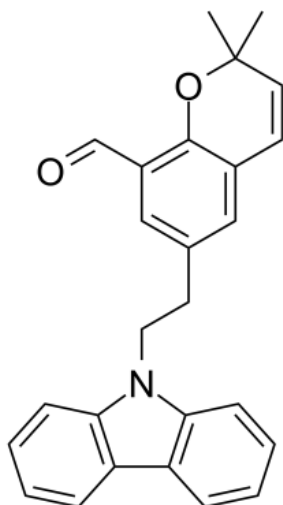
Formula $C_{26}H_{23}NO_2$ M.Wt 381.47

Solubility DMSO : 50 mg/mL (131.07 mM; Need ultrasonic) 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

BJE6-106 (B106) is a potent, selective 3rd generation PKC δ inhibitor with an IC₅₀ of 0.05 μ M and targets selectivity over classical PKC isozyme PKC α (IC₅₀=50 μ M). BJE6-106 (B106) induces caspase-dependent apoptosis. BJE6-106 (B106) possesses tumor-specific effect. PKC δ |0.05 μ M (IC₅₀)|PKC α |50 μ M (IC₅₀)

BJE6-106 (B106) (0.2 μ M, 0.5 μ M; 24-72 hours) suppresses cell survival in melanoma cell lines with

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NRAS mutations[1].BJE6-106 (B106) (0.2 μ M, 0.5 μ M; 6-24 hours) triggers caspase-dependent apoptosis, increases the activity of caspase 3/7, the effect of B106 is greater than rottlerin (10-fold) in SBcl2 cells[1].BJE6-106 (B106) (0.5 μ M; 2-10 hours) activates the MKK4-JNK-H2AX Pathway by inducing MKK4, JNK and H2AX activation at different times in SBcl2 cells[1]. Cell Viability Assay[1]
Cell Line: Melanoma cell lines with NRAS mutations: SBcl2, FM6, SKMEL2, WM1366, WM1361A, and WM852 cells

[1]. Takashima A,et al. Protein kinase C δ is a therapeutic target in malignant melanoma with NRAS mutation. ACS Chem Biol. 2014 Apr 18;9(4):1003-14.

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