

Product Data Sheet

Product Name: SR 16832

Cat. No.: GC45566

Chemical Properties

Cas. No. 2088135-12-8

SMILES COC1=CC=C2C(C(NC(C3=CC([N+])([O-])=O)=CC=C3Cl)=O)=CC=N2)=C1

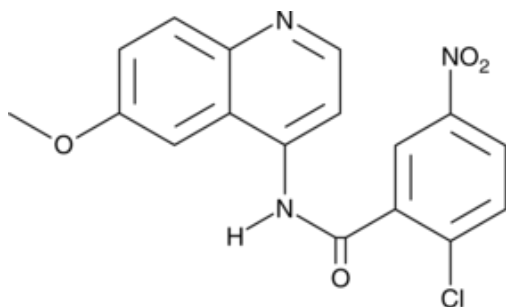
Formula C₁₇H₁₂ClN₃O₄ M.Wt 357.7

Solubility DMSO : 250 mg/mL (698.81 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

SR 16832 is a dual-site covalent antagonist of peroxisome proliferator-activated receptor γ (PPAR γ).¹ It inhibits MRL20-induced allosteric activation of PPAR γ in a reporter assay using HEK293T cells when used at a concentration of 5 μ M. SR 16832 also reduces basal activity of PPAR γ and inhibits binding of docosahexaenoic acid to PPAR γ in a time-resolved FRET (TR-FRET) assay.

References

1. Brust, R., Lin, H., Fuhrmann, J., et al. Modification of the orthosteric PPAR γ covalent antagonist scaffold yields an improved dual-site allosteric inhibitor. ACS Chem. Biol. 12(4), 969-978 (2017).

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

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