

Product Data Sheet

Product Name: TRC-766

Cat. No.: GC61347

Chemical Properties

Cas. No. 1810734-44-1

SMILES O=S(C1=CC=C(OC(F)(F)F)C=C1)(N(CCCN2C3=CC(Cl)=CC=C3CCC4=CC=CC=C42)C)=O

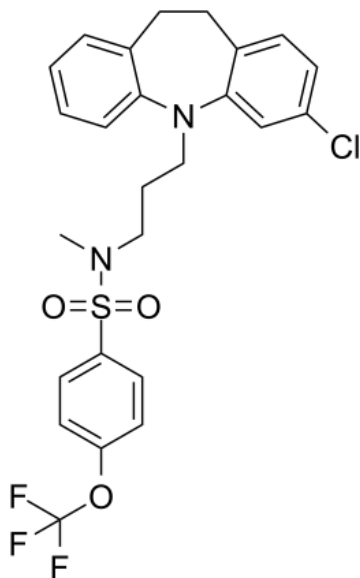
Formula $C_{25}H_{24}ClF_3N_2O_3S$ M.Wt 524.98

Solubility DMSO: 150 mg/mL (285.73 mM) 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

TRC-766 is a negative control of RTC-5 (TRC-382). TRC-766 binds protein phosphatase 2A (PP2A) and does not activate the phosphatase[1].

As a pharmacologic control, the cells are treated with increasing doses of TRC-766, which is

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structurally similar to PP2A (SMAP) but biologically inactive. TRC-766 lacks a key N-H sulfonamide hydrogen bond donor. While TRC-766 still binds PP2A, it does not activate the phosphatase and therefore it was postulated to not affect cell viability[1].

[1]. Kimberly McClinch, et al. Small-Molecule Activators of Protein Phosphatase 2A for the Treatment of Castration-Resistant Prostate Cancer. Cancer Res. 2018 Apr 15;78(8):2065-2080.

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