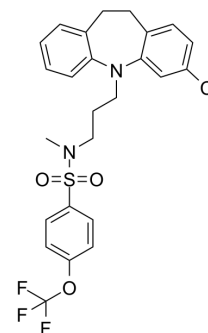


TRC-766

Cat. No.:	HY-131443		
CAS No.:	1810734-44-1		
Molecular Formula:	C ₂₅ H ₂₄ ClF ₃ N ₂ O ₃ S		
Molecular Weight:	524.98		
Target:	Phosphatase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 150 mg/mL (285.73 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.9048 mL	9.5242 mL	19.0483 mL
5 mM	0.3810 mL	1.9048 mL	3.8097 mL
10 mM	0.1905 mL	0.9524 mL	1.9048 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

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].

In Vitro

As a pharmacologic control, the cells are treated with increasing doses of TRC-766, which is 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]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[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.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA