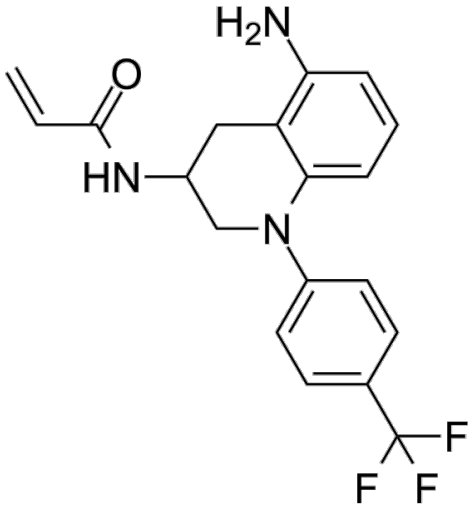
Product Data Sheet

Product Name: SWTX-143
Cat. No.: GC73564

Chemical Properties

Cas. No.	2766575-48-6		
Formula	$C_{19}H_{18}F_3N_3O$	M.Wt	361.36
Solubility	DMSO : 125 mg/mL (345.92 mM; Need ultrasonic)	Storage	-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

SWTX-143 is an orally active YAP/TAZ-TEAD inhibitor that binds to the palmitoylation pocket of all four TEAD isoforms. SWTX-143 causes irreversible and specific inhibition of the transcriptional

activity of YAP/TAZ-TEAD and shows antitumor activity.

SWTX-143 (5-207 nM, 6 days) inhibits the proliferation of NF2-deficient mesothelioma cells, with IC50 values ranging from 5 to 207 nM[1]. SWTX-143 (12 nM, 24 hours) selectively inhibits TEAD transcription factor activity in HEK293 cells, with an IC50 of 12 nM[1].

SWTX-143 (10, 25, 50 mg/kg, p.o., once daily for 19 days) induces dose-dependent tumor reduction in the NCI-H226 xenograft nude mouse model without notable side effects[1].

References:
[1]. Hanne Hillen, et al. A novel irreversible TEAD inhibitor, SWTX-143, blocks Hippo pathway transcriptional output and causes tumor regression in preclinical mesothelioma models. Mol Cancer Ther. 2023 Sep 23.

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