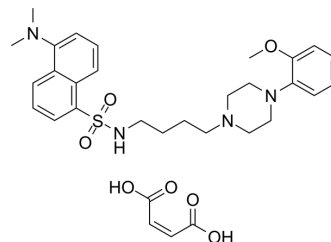


ST-148 maleate

Cat. No.:	HY-136782
CAS No.:	390803-40-4
Molecular Formula:	C ₃₁ H ₄₀ N ₄ O ₇ S
Molecular Weight:	612.74
Target:	Flavivirus; Dengue virus
Pathway:	Anti-infection
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 58 mg/mL (94.66 mM; Need ultrasonic and warming)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.6320 mL	8.1601 mL	16.3201 mL
	5 mM	0.3264 mL	1.6320 mL	3.2640 mL
	10 mM	0.1632 mL	0.8160 mL	1.6320 mL

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

BIOLOGICAL ACTIVITY

Description

ST-148 maleate is a potent and orally active DENV inhibitor. ST-148 maleate shows antiviral efficacy and low cell toxicity. ST-148 alters the interaction between lipid droplets and the C protein, thereby inhibiting viral replication.^[1]

REFERENCES

[1]. Byrd CM, et al. A novel inhibitor of dengue virus replication that targets the capsid protein. *Antimicrob Agents Chemother.* 2013;57(1):15-25.

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

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