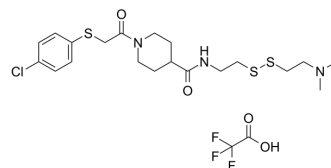


6H05 TFA

Cat. No.:	HY-12408A
CAS No.:	2061344-88-3
Molecular Formula:	C ₂₂ H ₃₁ ClF ₃ N ₃ O ₄ S ₃
Molecular Weight:	590.14
Target:	Ras
Pathway:	GPCR/G Protein
Storage:	4°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

H₂O : ≥ 100 mg/mL (169.45 mM)
 DMSO : ≥ 51 mg/mL (86.42 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		1.6945 mL	8.4726 mL	16.9451 mL
	5 mM		0.3389 mL	1.6945 mL	3.3890 mL
	10 mM		0.1695 mL	0.8473 mL	1.6945 mL

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

BIOLOGICAL ACTIVITY

Description

6H05 TFA is a selective, and allosteric inhibitor of oncogenic mutant K-Ras(G12C). IC50 value: Target: K-Ras G12C6H05 gives the greatest degree of modification, which allosterically modifies the oncogenic G12C mutant of highly homologous protein H-Ras without affecting wild-type K-Ras [1]. 6H05 can be used as an intermediate for the synthesis of other oncogenic K-Ras(G12C) inhibitors [2].

REFERENCES

[1]. Ostrem JM, et al. K-Ras(G12C) inhibitors allosterically control GTP affinity and effector interactions. *Nature*. 2013 Nov 28;503(7477):548-51.

[2]. Lu S, et al. Harnessing allostery: a novel approach to drug discovery. *Med Res Rev*. 2014 Nov;34(6):1242-85.

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

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