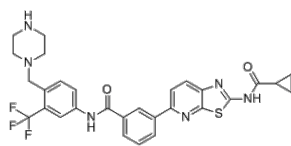


Product Name	: HG-12-6	
Synonyms	: —	
Cat No.	: M13547	
CAS Number	: 2222354-57-4	
Molecular Formula	: C ₂₉ H ₂₇ F ₃ N ₆ O ₂ S	
Formula Weight	: 580.63	
Chemical Name	3-(2-(cyclopropanecarboxamido)thiazolo[5,4-b]pyridin-5-yl)-N-(4-(piperazin-1-ylmethyl)-3-(trifluoromethyl)phenyl)benzamide	
Description	HG-12-6 is a small-molecule inhibitor that bind preferentially to unphosphorylated IRAK4 with IC ₅₀ of 165.1 nM, displays 15-fold selectivity over phosphorylated IRAK4 (IC ₅₀ =2876 nM); binds as type II inhibitor with IRAK4 in a "DFG-out" conformation.	
Pathway	Immunology/Inflammation	
Target	IRAK	
Receptor	IRAK	
Solubility	: —	
SMILES	: —	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Wang L, et al. J Biol Chem. 2019 Jan 24. pii: jbc.RA118.005428. doi: 10.1074/jbc.RA118.005428.