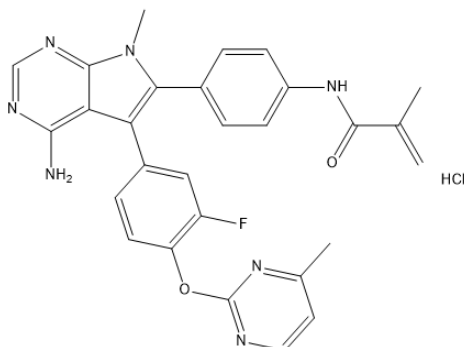


Name: RLY-4008 HCl; Lirafugratinib HCl

Cat#: EX-A6478A

Chemical Structure of RLY-4008 HCl:



Chemical Name	N-(4-(4-amino-5-(3-fluoro-4-((4-methylpyrimidin-2-yl)oxy)phenyl)-7-methyl-7H-pyrrolo[2,3-d]pyrimidin-6-yl)phenyl)methacrylamide hydrochloride		
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Molecular Weight	546.00	Storage	2 years -20°C powder
Formula	C ₂₈ H ₂₅ ClFN ₇ O ₂		6 months -80°C in solvent Away from light
CAS No.	2688040-45-9	Synonyms	RLY 4008 HCl; RLY4008 Hydrochloride; Lirafugratinib HCl

Target: EGFR

Pathway: JAK/STAT Signaling; Protein Tyrosine Kinase/RTK

Solubility (25°C) *	In vitro	DMSO	>100 mg/mL
		Ethanol	N/A
		Water	N/A
	In vivo (should be freshly prepared each time)		

* <1 mg/ml means slightly soluble or insoluble.

* Please note that Selleck tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.

Preparing Stock Solutions:

Concentration	Mass	1 mg	5 mg	10 mg
	Volume			
1 mM		1.8315 mL	9.1575 mL	18.3150 mL
5 mM		0.3663 mL	1.8315 mL	3.6630 mL
10 mM		0.1832 mL	0.9158 mL	1.8315 mL

*The above data is based on the product molecular weight 546.00.

Biological Activities:

Description	RLY-4008 hydrochloride is an orally active selective inhibitor of FGFR2 ^[1] .
References	[1]. Lescarbeau, Andre, et al. Preparation of substituted pyrrolopyrimidines as FGFR inhibitors and methods of making and using the same. Patent WO2022109577.