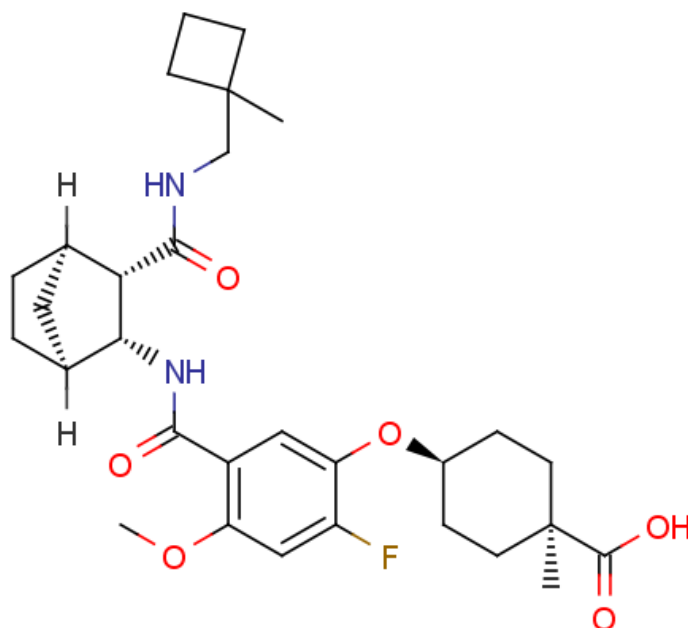


Target: RXFP Receptor
Pathway: GPCR/G Protein

Chemical Structure:



Molecular Weight	544.6547	Storage	2 years 4°C powder 3 years -20°C powder
Formula	C30H41FN2O6		6 months -80°C in solvent Away from light
CAS No.	2787501-83-9	Synonyms	AZD-5462; AZD 5462;

Solubility (25°C) *	In vitro	DMSO	DMSO : >50 mg/mL Need ultrasonic;
		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 Volume	Mass	1 mg	5 mg	10 mg
	Volume			
1 mM	1 mM	1 mM	1.8360 mL	9.1802 mL
5 mM	5 mM	5 mM	0.3672 mL	1.8360 mL
10 mM	10 mM	10 mM	0.1836 mL	0.9180 mL

DMSO :

*The above data is based on the product molecular weight 544.65.

Biological Activities:

Description	AZD5462 is a RXFP1 modulator, can be used for heart failure research. RXFP1 is the cognate receptor for human relaxin, belongs to GPCR family 1c number with anti-fibrotic and anti-inflammatory properties ^[1] .
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References	[1]. Granberg Kenneth Lars, et al. 4-(2-Fluoro-4-methoxy-5-(3-(((1-methylcyclobutyl)methyl)carbamoyl)bicyclo[2.2.1]heptan-2-yl)carbamoyl)phenoxy)-1-methylcyclohexane-1-carboxylic acid derivatives and similar compounds as RXFP1 modulators for the treatment of heart failure and their preparation: World Intellectual Property Organization, WO2022122773. 2022-06-16.
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