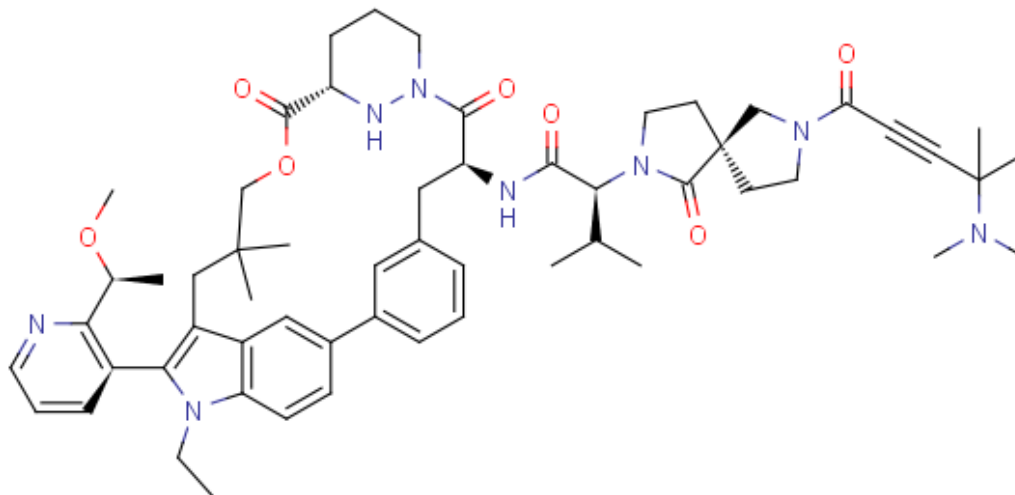


Name: RMC-4998 cat#: EX-A7973

Chemical Structure:



Chemical Name	2,7-Diazaspiro[4.4]nonane-2-acetamide, 7-[4-(dimethylamino)-4-methyl-1-oxo-2-pentyn-1-yl]-N-[(3R,9S,15S)-2-ethyl-2,4,5,6,9,10,11,12,15,16-decahydro-3-[2-[(1S)-1-methoxyethyl]-3-pyridinyl]-5,5-dimethyl-8,14-dioxo-8H,14H-1,22-etheno-9,13-imino-17,21-methenopyrrolo[3,4-r][1,7]oxaazacyclodocosin-15-yl]- α -(1-methylethyl)-1-oxo-, (α S,5S)-
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Molecular Weight	983.25	Storage	3 years -20°C powder
Formula	C57H74N8O7		6 months -80°C in solvent Away from light
CAS No.	2642037-07-6	Synonyms	RMC 4998; RMC4998

Solubility (25°C) *	In vitro	DMSO	Soluble
		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		1.0170 mL	5.0852 mL	10.1704 mL
5 mM		0.2034 mL	1.0170 mL	2.0341 mL
10 mM		0.1017 mL	0.5085 mL	1.0170 mL

*The above data is based on the product molecular weight 983.25.

Biological Activities:

Description	RMC-4998 is a covalent tri-complex inhibitor of KRAS ^{G12C} (ON). RMC-4998 is a molecular glue compound with good antitumor activity. RMC-4998 is able to form a ternary complex with CYP4A and an activated KRAS G12C mutant.
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References	[1]. Schulze, Christopher J et al. "Chemical remodeling of a cellular chaperone to target the active state of mutant KRAS." Science (New York, N.Y.) vol. 381,6659 (2023): 794-799.
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