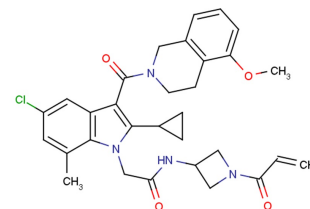


## K-Ras G12C-IN-4

## Chemical Properties

CAS No.:	2376328-55-9
Formula:	C <sub>31</sub> H <sub>33</sub> ClN <sub>4</sub> O <sub>4</sub>
Molecular Weight:	561.07
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	K-Ras G12C-IN-4, is a potent Covalent Inhibitor of KRASG12C..
Targets(IC <sub>50</sub> )	Others: None
In vitro	K-Ras G12C-IN-4 (72 hours) translates to a 0.067 $\mu$ M IC <sub>50</sub> for inhibition of cellular viability in a CellTiter-Glo experiment in MIA PaCa-2 cells.K-Ras G12C-IN-4 (4 hours) exhibits IC <sub>50</sub> =0.219 $\mu$ M for inhibition of MAPK signaling (p-ERK) in MIA PaCa-2 cells.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.782 mL	8.912 mL	17.823 mL
5 mM	0.356 mL	1.782 mL	3.565 mL
10 mM	0.178 mL	0.891 mL	1.782 mL
50 mM	0.036 mL	0.178 mL	0.356 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Shin Y, et al. Discovery of N-(1-Acryloylazetididin-3-yl)-2-(1H-indol-1-yl)acetamides as Covalent Inhibitors of KRASG12C. ACS Med Chem Lett. 2019 Aug 20;10(9):1302-1308.

Inhibitors · Natural Compounds · Compound Libraries

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