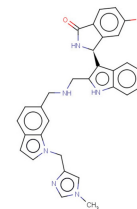


BI-2852

Chemical Properties

CAS No.:	2375482-51-0
Formula:	C ₃₁ H ₂₈ N ₆ O ₂
Molecular Weight:	516.59
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	BI-2852 is a KRAS inhibitor for the switch I/II pocket (SI/II-pocket) with nanomolar affinity. BI-2852 is leading to inhibition of downstream signaling and an antiproliferative effect in KRAS mutant cells.
Targets(IC ₅₀)	KRAS(G12C): 450 nM KRAS G12C: 750 nM (kd)
In vitro	BI-2852 (Compound 1; 10 nM-10 μM; 2 hours) shows a dose-dependent pERK modulation and antiproliferative effect at EC ₅₀ s of 6.7 μM and 5.8 μM in low serum and soft agar conditions in NCI-H358 cells.

Solubility Information

Solubility	DMSO: 55 mg/mL (106.47 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.936 mL	9.679 mL	19.358 mL
5 mM	0.387 mL	1.936 mL	3.872 mL
10 mM	0.194 mL	0.968 mL	1.936 mL
50 mM	0.039 mL	0.194 mL	0.387 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. Kessler D, et al. Drugging an undruggable pocket on KRAS. Proc Natl Acad Sci U S A. 2019 Aug 6; 116(32):15823-15829.

Inhibitors · Natural Compounds · Compound Libraries

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