

ARS-1630

Chemical Properties

CAS No.:	1698055-86-5
Formula:	C ₂₁ H ₁₇ ClF ₂ N ₄ O ₂
Molecular Weight:	430.84
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	ARS-1630 is a mutant K-ras G12C inhibitor extracted from patent WO 2015054572 A1. It is a less active enantiomer of ARS-1620.
Targets(IC ₅₀)	KRAS G12C: None

Solubility Information

Solubility	DMSO: 69 mg/mL (160.15 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.321 mL	11.605 mL	23.21 mL
5 mM	0.464 mL	2.321 mL	4.642 mL
10 mM	0.232 mL	1.161 mL	2.321 mL
50 mM	0.046 mL	0.232 mL	0.464 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. Liansheng Li, et al. Inhibitors of kras g12c. WO 2015054572 A1.
2. Janes MR, et al. Targeting KRAS Mutant Cancers with a Covalent G12C-Specific Inhibitor. Cell. 2018 Jan 25;172(3):578-589.e17.

Inhibitors · Natural Compounds · Compound Libraries

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