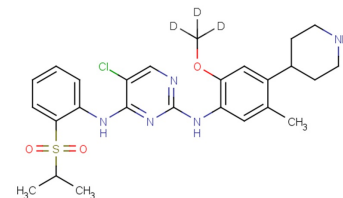


ALK-IN-6

Chemical Properties

CAS No.: 2055821-33-3
Formula: C₂₆H₂₉D₃CIN₅O₃S
Molecular Weight: 533.1
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	ALK-IN-6 is an orally bioavailable inhibitor of anaplastic lymphoma kinase (ALK, IC ₅₀ s: 71 nM, 18.72 nM, and 36.81 nM for ALK wild, ALK F1196M and ALK F1174L).
Targets(IC ₅₀)	ALK wild: 71 nM ALK F1196M: 18.72 nM ALK F1174L: 36.81 nM

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	1.876 mL	9.379 mL	18.758 mL
5 mM	0.375 mL	1.876 mL	3.752 mL
10 mM	0.188 mL	0.938 mL	1.876 mL
50 mM	0.038 mL	0.188 mL	0.375 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. Das D, et al. Design, synthesis of orally bioavailable novel anaplastic lymphoma kinase (ALK) inhibitor diphenylaminopyrimidine analogs and efficacy study on NCI-H2228 xenografts mice model. Bioorg Med Chem Lett. 2019 Jun 15;29(12):1514-1517.

Inhibitors · Natural Compounds · Compound Libraries

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