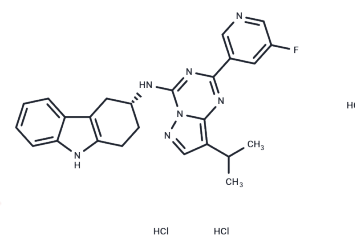


AHR antagonist 5

Chemical Properties

CAS No. :	2247953-39-3
Formula:	C ₂₅ H ₂₇ Cl ₃ N ₇
Molecular Weight:	550.89
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	AHR antagonist 5 is a potent and orally active aryl hydrocarbon receptor (AHR) antagonist (example 39; IC ₅₀ < 0.5 μM). It significantly inhibits tumor growth combined with checkpoint inhibitor anti-PD-1.
Targets(IC ₅₀)	Others
In vivo	Tumor growth inhibition is statistically significant with AHR antagonist 5 as single. AHR antagonist 5 (10 mg/kg; p.o.; every day for 3 weeks) combination with anti-PD-1 significantly inhibited tumor growth inhibition compared to the anti-PD-1 alone.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8152 mL	9.0762 mL	18.1524 mL
5 mM	0.363 mL	1.8152 mL	3.6305 mL
10 mM	0.1815 mL	0.9076 mL	1.8152 mL
50 mM	0.0363 mL	0.1815 mL	0.363 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Alfredo C. Castro, et al. Indole ahr inhibitors and uses thereof. WO2018195397A2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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