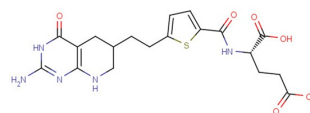


LY 254155

Chemical Properties

CAS No.: 135503-67-2
Formula: C₁₉H₂₃N₅O₆S
Molecular Weight: 449.48
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	LY 254155, an antifolate, binds to mFBP and inhibits hGARFT with Kis of 1.7±0.1 and 2.1±0.2 nM, respectively.
Targets(IC ₅₀)	hGARFT: ki: 2.1±0.2 mFBP: 1.7± 0.1 nM (ki)
In vitro	LY 254155 binds to membrane folate-binding protein (mFBP) [1] and inhibits recombinant human monofunctional glycylamide ribonucleotide formyltransferase (hGARFT).
In vivo	LY 254155 (5, 10, 20, and 40 mg/kg) inhibits murine C3H carcinoma growth in C3H mice, with % inhibition of tumor growth is 49%, 71%, 90%, and 94%, respectively[1]. LY 254155 is active against a broad panel of murine and human xenograft solid tumors.

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	2.225 mL	11.124 mL	22.248 mL
5 mM	0.445 mL	2.225 mL	4.45 mL
10 mM	0.222 mL	1.112 mL	2.225 mL
50 mM	0.044 mL	0.222 mL	0.445 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. Habeck LL, et al. A novel class of monoglutamated antifolates exhibits tight-binding inhibition of humanglycinamide ribonucleotide formyltransferase and potent activity against solid tumors. Cancer Res. 1994 Feb 15;54(4):1021-6.

Inhibitors · Natural Compounds · Compound Libraries

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