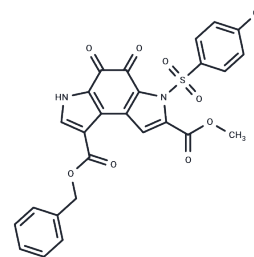


F5446

Chemical Properties

CAS No. : 2304465-89-0
Formula: C₂₆H₁₇ClN₂O₈S
Molecular Weight: 552.94
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	F5446 is a SUV39H1 inhibitor. F5446 has an EC ₅₀ of 0.496 μmol/L for SUV39H1 enzymatic activity. H3K9me3 was enriched in the promoters of GZMB, PRF1, FASLG, and IFNG in quiescent T cells. F5446 inhibited H3K9me3, thereby upregulating expression of these effectors in tumor-infiltrating CTLs and suppressing colon carcinoma growth in a CD8+ CTL-dependent manner in vivo. Our data indicate that SUV39H1 represses CTL effector gene expression and, in doing so, confers colon cancer immune escape.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8085 mL	9.0426 mL	18.0851 mL
5 mM	0.3617 mL	1.8085 mL	3.617 mL
10 mM	0.1809 mL	0.9043 mL	1.8085 mL
50 mM	0.0362 mL	0.1809 mL	0.3617 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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