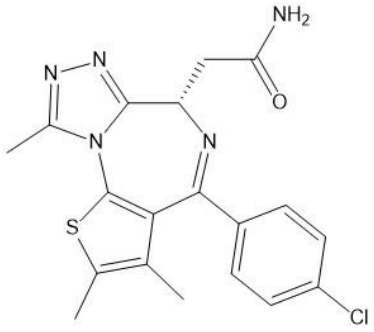
Tribioscience

CPI203, BET bromodomain inhibitor

Catalog	Unit
TBI4048-5MG	5 mg
TBI4048-25MG	25 mg

Product Details

Formal Name: (S)-2-(4-(4-Chlorophenyl)-2,3,9-trimethyl-6h-Thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepin-6-yl)acetamide
Alternate Names: CPI-267203; 2-[(9S)-7-(4-Chlorophenyl)-4,5-13-trimethyl-3-thia-1,8,11,12-tetrazatricyclo[8.3.0.02,6]trideca-2(6),4,7,10,12-pentaen-9-yl]acetamide
Molecular Formula: $C_{19}H_{18}ClN_5OS$
Formula Weight: 399.90
CAS Number: 1446144-04-2
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (up to at least 25 mg/ml)
Storage: -20°C
Stability: ≥ 1 year.



Applications

BET bromodomain inhibitor

Functions

CPI203, a JQ1 analog, is a potent and selective inhibitor of the BET bromodomain BRD4 (IC50 = 26 nM). It helps promote the maintenance of hematopoietic stem cells via repression of Myc expression. CPI203 reversibly suppressed intestinal stem cell differentiation in a mouse model. It enhanced the expansion of human cord blood hematopoietic stem cells without losing cell viability. CPI203 displays synergistic antitumor activity with various agents including lenalidomide, bortezomib, and PARP inhibitors.

Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

For research use only.

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