

PFI-3, Bromodomain inhibitor

Catalog	Unit
TBI4034-5MG	5 mg
TBI4034-25MG	25 mg

Product Details

Formal Name: (2E)-1-(2-Hydroxyphenyl)-3-[(1R,4R)-5-(pyridine-2-yl)-2,5-diazabicyclo{2.2.1}heptan-2-yl]prop-2-en-1-one

Molecular Formula: C₁₉H₁₉N₃O₂

Formula Weight: 321.40

CAS Number: 1819363-80-8

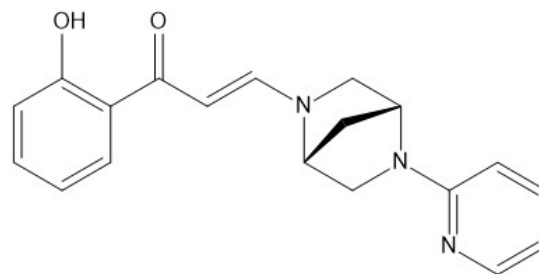
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Bromodomain inhibitor

Functions

PFI-3 is a selective inhibitor of family VIII bromodomains PB1(5), SMARCA2, and SMARCA4. It showed complete selectivity over all non-family VIII bromodomains. PFI-3 blocked adipogenesis in C3H10T1/2 mesenchymal cells at 20μM. Treatment of embryonic stem cells with PFI-3 led to deprivation of stemness and deregulated lineage specificity. Differentiation of trophoblast stem cells in the presence of PFI-3 was enhanced. Cell permeable.

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°C for up to 1 month.

For research use only.