

SX-682, CXCR1/2 inhibitor

Catalog	Unit
TBI4925-5MG	5 mg
TBI4925-25MG	25 mg

Product Details

Formal Name: [2-[[5-[(4-Fluorophenyl)carbamoyl]pyrimidin-2-yl]sulfanylmethyl]-4-(trifluoromethoxy)phenyl]boronic acid

Molecular Formula: C₁₉H₁₄BF₄N₃O₄S

Formula Weight: 467.20

CAS Number: 1648843-04-2

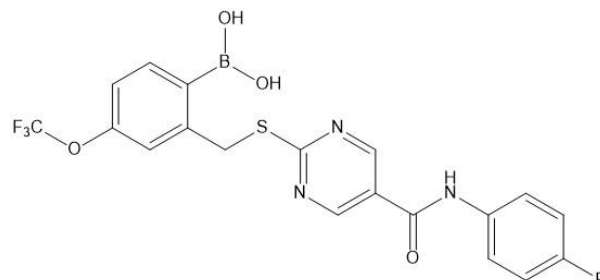
Purity: >98%

Formulation: powder

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

Storage: -20°C

Stability: ≥ 1 year.



Applications

CXCR1/2 inhibitor

Functions

SX-682 is a novel CXCR1/2 inhibitor (IC₅₀s: CXCR1 = 42 nM, CXCR2 = 20 nM). It displayed robust synergistic activity with immune checkpoint blockade against castration resistant prostate cancer. It significantly reduced tumor burden in a Pten^{fl/fl}/Lkb1^{fl/fl} mouse model of lung squamous cell cancer when used in combination with anti-PD1 therapy. SX-682 significantly inhibited trafficking of neutrophilic myeloid-derived suppressor cells (PMN-MDSCs) enhancing anti-PD1 immune checkpoint blockade, T cell-based immunotherapy, and NK-cell immunotherapy.

Application Procedures

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

For research use only.