

Catalog	Unit
TBI4101-5MG	5 mg
TBI4101-25MG	25 mg

Product Details

Formal Name: 7-(5-methylfuran-2-yl)-3-[[6-[[[(3S)-oxolan-3-yl]oxymethyl]pyridine-2-yl]triazolo[4,5-d]pyrimidin-5-amine

Alternate Names: Ciforadenant

Molecular Formula: C₂₀H₂₁N₇O₃

Formula Weight: 407.43

CAS Number: 1202402-40-1

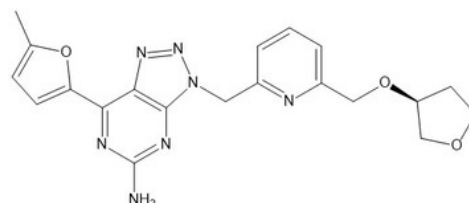
Purity: >98%

Formulation: powder

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

Storage: -20°C

Stability: ≥ 1 year.



Applications

Adenosine A2A receptor antagonist

Functions

CPI-444 (1202402-40-1) is a potent ($K_i = 3.54$ nM) and selective adenosine A2A receptor antagonist. It blocked the induction of cAMP induced by NECA in HEK-293 cells with an $IC_{50} = 17.03$ nM. CPI-444 monotherapy or in combination with anti-PD-1, anti-PD-L1, and anti-CTLA-4 induced T-cell-mediated tumor responses, inhibited tumor growth, and enabled antitumor immune memory. Currently in clinical trials for multiple cancers.

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 3 months.

For research use only.