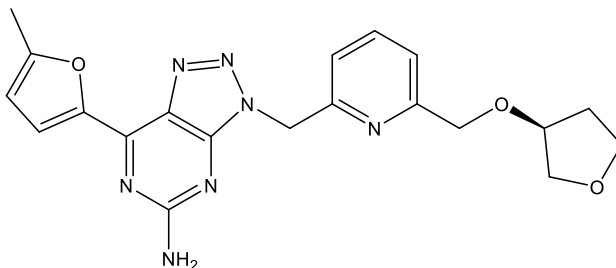


Catalog # 10-4101

CPI-444

CAS# 1202402-40-1

7-(5-methylfuran-2-yl)-3-[[6-[[[(3S)-oxolan-3-yl]oxymethyl]pyridine-2-yl]triazolo[4,5-d]pyrimidin-5-amine; Ciforadenant
Lot # FBS2003



CPI-444 is a potent ($K_i = 3.54$ nM) and selective adenosine A_{2A} 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.^{1,2} Currently in clinical trials for multiple cancers.³

- 1) Willingham *et al.* (2018), *A2AR Antagonism with CPI-444 Induces Antitumor Responses and Augments Efficacy to Anti-PD-(L)1 and Anti-CTLA-4 in Preclinical Models*; *Cancer Immunol.Res.* **6** 1136
- 2) Leone *et al.* (2018), *Inhibition of the adenosine A2a receptor modulates expression of T cell coinhibitory receptors and improves effector function for enhanced checkpoint blockade and ACT in murine cancer models*; *Cancer Immunol.Immunother.* **67** 1271
- 3) NCT02655822

PHYSICAL DATA

Molecular Weight: 407.43
Molecular Formula: $C_{20}H_{21}N_7O_3$
Purity: >98% by HPLC
NMR: (Conforms)
Solubility: DMSO (>25 mg/ml)
Physical Description: Beige solid
Storage and Stability: Store as supplied at $-20^{\circ}C$ for up to 1 year from the date of purchase. Solutions in DMSO may be stored at $-20^{\circ}C$ for up to 1 month.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.