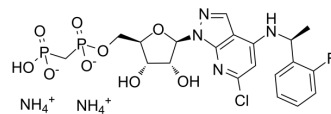


AB-680 ammonium

Cat. No.:	HY-125286A
Molecular Formula:	C ₂₀ H ₃₀ ClFN ₆ O ₉ P ₂
Molecular Weight:	614.89
Target:	CD73
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AB-680 ammonium is a highly potent, reversible and selective inhibitor of CD73 (an ecto-nucleotidase), with a K _i of 4.9 pM for hCD73, displays >10,000-fold selectivity over related ecto-nucleotidases CD39. Anti-tumor activity ^[1] .
IC₅₀ & Target	Ki: 4.9 pM (hCD73) ^[1]
In Vitro	AB-680 ammonium inhibits soluble hCD73 with an IC ₅₀ of 0.043 nM, also inhibits hCD73 in CHO cells, suppresses CD73 in human, mouse CD8 ⁺ T Cells and hPBMC, with IC ₅₀ s of 0.070, 0.008, 0.66 and 0.011 nM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- J Immunother Cancer. 2021 Jul;9(7):e002503.
- Research Square Preprint. 2021 Mar.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Lawson KV, et al. Discovery and Characterization of AB680, a Potent and Selective Small-Molecule CD73 Inhibitor for Cancer Immunotherapy.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA