

Product Data Sheet

Product Name: AB-680
Cat. No.: GC65293

Chemical Properties

Cas. No. 2105904-82-1

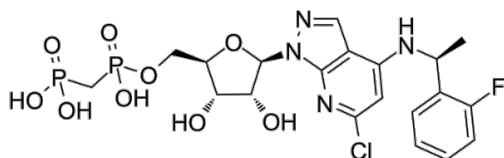
Formula $C_{20}H_{24}ClFN_4O_9P_2$ M.Wt 580.82

Solubility DMSO : 200 mg/mL (344.34 mM; Need ultrasonic) Storage Store at -20°C, stored under nitrogen

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

AB-680 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].

AB-680 (AB680) 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].

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

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

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