

## PROTAC PD-1/PD-L1 degrader-1 Biochemical

PROTAC PD-1/PD-L1 degrader-1

CATALOG #  
**AAA228449**

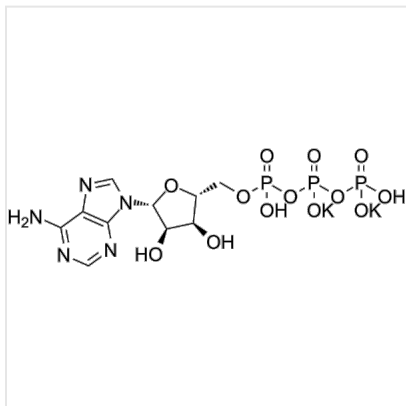
### PRODUCT SYNONYMS

PROTAC PD-1/PD-L1 degrader-1; Adenosine5'-triphosphatedipotassium; PROTAC PD-1/PD-L1 degrader-1 biochemical

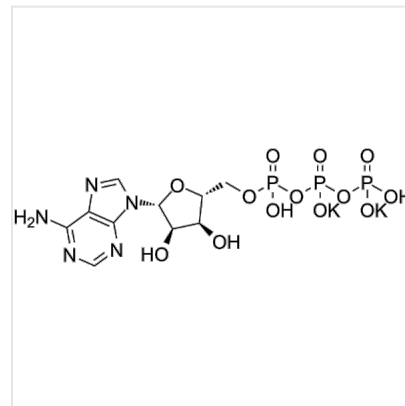
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification     | 98%                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CAS                     | 2447066-37-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Solubility              | <1mg/ml refers to the product slightly soluble or insoluble                                                                                                                                                                                                                                                                                                                                                                                                                       |
| In vitro                | PROTAC PD-1/PD-L1 degrader-1 (compound p22) reduces cell surface PD-L1 expression for more than 14%[1]. PROTAC PD-1/PD-L1 degrader-1 (1-10 uM; 24 hours) reduces PD-L1 expression in a dose-dependent manner by 21% and 35% at 1 uM and 10 uM, respectively[1]. Western Blot Analysis[1]Cell Line: MDA-MB-231 cells Concentration: 1-10 uM Incubation Time: 24 hours. Result: Reduced PD-L1 expression in a dose-dependent manner by 21% and 35% at 1 uM and 10 uM, respectively. |
| Preparation and Storage | Powder: -20 degree C for 3 years<br>In solvent: -80 degree C for 2 years                                                                                                                                                                                                                                                                                                                                                                                                          |

### IMAGES



Structure  
ATP dipotassium, CAS 42373-41-1



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### ADDITIONAL INFORMATION

#### Related Product Information for PROTAC PD-1/PD-L1 degrader-1 biochemical

PROTAC PD-1/PD-L1 degrader-1, a PD-1/PD-L1 PROTAC based on Cereblon E3 ligand, inhibits PD-1/PD-L1 interaction with an IC<sub>50</sub> of 39.2 nM. PROTAC PD-1/PD-L1 degrader-1 significantly restores the immunity repressed in a co-culture model of Hep3B/OS-8/hPD-L1 and CD3 T cells. PROTAC PD-1/PD-L1 degrader-1 moderately reduces the protein levels of PD-L1 in a lysosome-dependent manner.

## References

1. Bonora M, et al. ATP synthesis and storage. *Purinergic Signal*. 2012 Sep;8(3):343-57.
2. M J L Bours, et al. Adenosine 5'-triphosphate and adenosine as endogenous signaling molecules in immunity and inflammation. *Pharmacol Ther*. 2006 Nov;112(2):358-404.
3. Shuo Xu, et al. Doxycycline inhibits NAcT Leucine-rich repeat Protein 3 inflammasome activation and interleukin-1beta production induced by Porphyromonas gingivalis-lipopolysaccharide and adenosine triphosphate in human gingival fibroblasts. *Arch Oral Biol*. 2019 Nov;107:104514.
4. Yang Xiang, et al. Adenosine-5'-Triphosphate (ATP) Protects Mice against Bacterial Infection by Activation of the NLRP3 Inflammasome. *PLoS One*. 2013; 8(5): e63759.

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/protac-pd-1-pd-l1-degrader-1/228449>