

## CAY10774 biochemical

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CATALOG #  
**AAA227103**

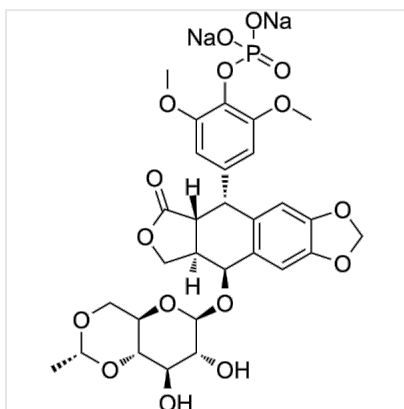
### PRODUCT SYNONYMS

CAY10774; BMY-40481 disodium; CAY10774 biochemical

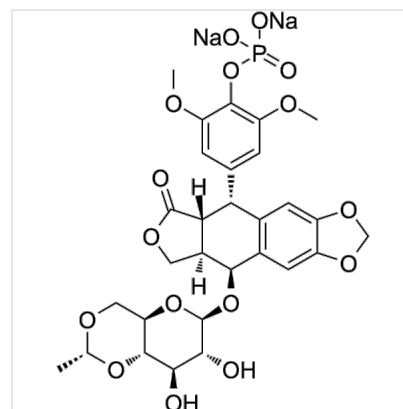
### PRODUCT SPECIFICATIONS

|                         |                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------|
| Purity/Purification     | 98%                                                                                              |
| Solubility              | DMSO: 1 mg/mL                                                                                    |
|                         | DMF: 1 mg/mL                                                                                     |
|                         | DMSO:PBS (pH 7.2)(1:2): 0.33mg/mL<br><1mg/ml refers to the product slightly soluble or insoluble |
| Preparation and Storage | Powder: -20 degree C for 3 years<br>In solvent: -80 degree C for 2 years                         |

### IMAGES



Structure  
Etoposide phosphate disodium, CAS 122405-33-8



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### ADDITIONAL INFORMATION

#### Related Product Information for CAY10774 biochemical

CAY10774 is an inhibitor of the protein-protein interaction between programmed cell death 1 (PD-1) and its ligand PD-L1 (IC<sub>50</sub>= 15 nM in a homologous time-resolved fret (HTRF) assay). It increases the activation of Jurkat cells expressing PD-1 in co-culture with artificial antigen-presenting cells (aAPCs) expressing PD-L1 (EC<sub>50</sub>= 6.6 uM in a reporter assay). CAY10774 increases surface expression of PD-1 on primary human CD4+ and CD8+ T cells co-cultured with aAPCs.

## References

1. Witterland AH, et al. Etoposide phosphate, the water-soluble prodrug of etoposide. Pharm World Sci. 1996 Oct;18(5):163-70.
2. Cui D, et al. FBXW7 Confers Radiation Survival by Targeting p53 for Degradation. Cell Rep. 2020 Jan 14;30(2):497-509.e4.
3. Bregman CL, et al. Etoposide- and BMY-40481-induced sensory neuropathy in mice. Toxicol Pathol. 1994 Sep-Oct;22(5):528-35.
4. SUMMARY OF PRODUCT CHARACTERISTICS

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://www.aaabiotech.com/biochemical/cay10774/227103>