

Product Datasheet

ABBV-CLS-484

Catalog No. **BP-02361** · CAS **2489404-97-7** · Form **free base** · Physical state **other** · Color **White to light yellow** · Version **1.0**
 · Revision **2026-09-10**

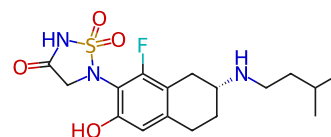
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Target Phosphatase; STATJ; AK	Research area Cancer
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Molecular formula **C₁₇H₂₄FN₃O₄S**

Molecular weight **385.4540**

STRUCTURE



DESCRIPTION

ABBV-CLS-484 is a potent PTPN1 or PTPN2 inhibitor with a sub-nanomolar activity.

BIOLOGICAL ACTIVITY

ABBV-CLS-484 (Osunprotafib) is an first-in-class, orally active, potent PTPN2/PTPN1 active site inhibitor with an EC₅₀ of 0.176 μM that enhances the sensitivity of tumor cells to IFNγ and promotes T cell activation and function.

SOLUBILITY

Soluble in DMSO

In vitro DMSO 58.33 mg/mL

REFERENCES

- [1]. Philip R. Kym, et al. Protein tyrosine phosphatase inhibitors and methods of use thereof. WO2022056281A1.
- [2]. Arvin Iracheta-Vellve, et al. Targeting the immune checkpoint PTPN2 with ABBV-CLS-484 inflames the tumor microenvironment and unleashes potent CD8+ T cell immunity. Cancer Res (2022) 82 (12_Supplement): 606.
- [3]. Christina K, et al. ABBV-CLS-484: An active site PTPN2/N1 inhibitor that augments the immune response and sensitizes tumors to immune-mediated killing. Cancer Res (2022) 82 (12_Supplement): ND06.
- [4]. Baumgartner CK, et al. The PTPN2/PTPN1 inhibitor ABBV-CLS-484 unleashes potent anti-tumour immunity. Nature. 2023 Oct;622(7984):850-862.