

Product Datasheet

AZD-0284

Catalog No. **BP-01971** · CAS **2101291-07-8** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-09-09**

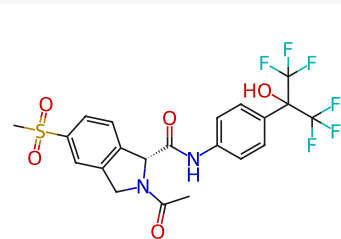
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Target ROR	Research area Inflammation/Immunology
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Molecular formula **C₂₁H₁₈F₆N₂O₅S**

Molecular weight **524.4330**

STRUCTURE



DESCRIPTION

AZD-0284 is a selective inverse agonist of the nuclear receptor ROR γ . AZD-0284 has the potential for plaque psoriasis vulgaris and respiratory tract disorders treatment.

BIOLOGICAL ACTIVITY

In Vitro

AZD0284 (0.37 μ M; 5 days) inhibits IL-17A production in human TH17 cells.

AZD0284 reduces polarization of TH17 into pathogenic TH17/1 cells. AZD0284 decreases frequency of single IL-17+cell as well as double positive TH17/1 cells. AZD0284 reduces IL-17A secretion and RNA expression of IL-17A, IL-17F, IL-22 and IL-23R.

SOLUBILITY

Soluble in DMSO 100 mg/mL

REFERENCES

- [1]. Narjes, F, et al. The discovery of AZD0284, an inverse agonist of the nuclear receptor ROR γ . American Chemical Society, 2017 Drug Design and Delivery Symposium 26 October 2017
- [2]. Asimus S, et al. Pharmacokinetics, pharmacodynamics and safety of the inverse retinoic acid-related orphan receptor γ agonist AZD0284 [published online ahead of print, 2020 Feb 17]. Br J Clin Pharmacol. 2020;10.1111/bcp.14253.