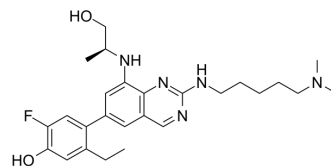


JAK-IN-19

Cat. No.:	HY-144075
Molecular Formula:	C ₂₆ H ₃₆ FN ₅ O ₂
Molecular Weight:	469.59
Target:	JAK
Pathway:	Epigenetics; JAK/STAT Signaling; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

JAK-IN-19 is a potent JAK inhibitor (PBMC IFN γ pIC₅₀=7.2 and HLF Eotaxin pIC₅₀=7.7). JAK-IN-19 has good retentive properties in the lung via mitigating being metabolized by Aldehyde Oxidase (AO), with diminished VEGFR2 selectivity (VEGFR2 pIC₅₀=7.0, Aurora B pIC₅₀=5.8)^[1].

REFERENCES

[1]. Wellaway CR, et al. Investigation of Janus Kinase (JAK) Inhibitors for Lung Delivery and the Importance of Aldehyde Oxidase Metabolism. *J Med Chem.* 2022 Jan 13;65(1):633-664.

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

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