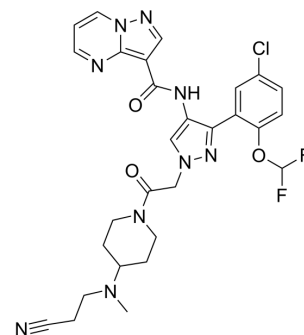


iJak-381

Cat. No.:	HY-125019
CAS No.:	1831144-46-7
Molecular Formula:	C ₂₈ H ₂₈ ClF ₂ N ₉ O ₃
Molecular Weight:	612.03
Target:	JAK; STAT
Pathway:	Epigenetics; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	iJak-381 is a JAK1/2 inhibitor with anti-inflammatory activity. iJak-381 blocks IL-13 signaling and also inhibits IL-4 and IL-6 signaling pathways. iJak-381 also reduced p-STAT6 levels and inhibited the influx of inflammatory cells into the lungs of mice. iJak-381 inhibits airway hyperresponsiveness (AHR) ^[1] .
IC ₅₀ & Target	STAT6; JAK1; JAK2 ^[1]

REFERENCES

[1]. Zak M, et al. Inhaled Janus Kinase (JAK) inhibitors for the treatment of asthma. *Bioorg Med Chem Lett*. 2019 Oct 15;29(20):126658.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA