



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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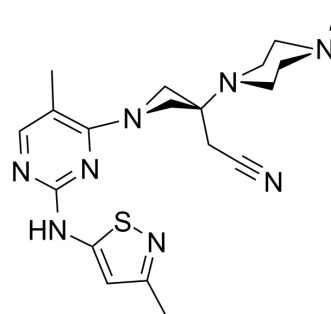
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## JAK-IN-30

Cat. No.:	HY-154994
CAS No.:	2891469-99-9
Molecular Formula:	C <sub>19</sub> H <sub>26</sub> N <sub>8</sub> S
Molecular Weight:	398.53
Target:	JAK
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

<b>Description</b>	JAK-IN-30 (compound 31) is a water-soluble JAK inhibitor with IC <sub>50</sub> values of 2, 15, 18 and 2 nM for JAK2, JAK1, JAK3 and TYK2, respectively. JAK-IN-30 has research potential for dry eye disease (DED) <sup>[1]</sup> .			
<b>IC<sub>50</sub> &amp; Target</b>	JAK1 15 nM (IC <sub>50</sub> )	JAK2 2 nM (IC <sub>50</sub> )	JAK3 18 nM (IC <sub>50</sub> )	Tyk2 2 nM (IC <sub>50</sub> )

### REFERENCES

[1]. Gordhan HM, et al. Eyes on Topical Ocular Disposition: The Considered Design of a Lead Janus Kinase (JAK) Inhibitor That Utilizes a Unique Azetidin-3-Amino Bridging Scaffold to Attenuate Off-Target Kinase Activity, While Driving Potency and Aqueous Solubility. *J Med Chem.* 2023 Jul 13;66(13):8929-8950.

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

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