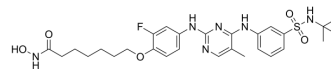


## JAK/HDAC-IN-3

<b>Cat. No.:</b>	HY-149284
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>37</sub> FN <sub>6</sub> O <sub>5</sub> S
<b>Molecular Weight:</b>	588.69
<b>Target:</b>	JAK; HDAC
<b>Pathway:</b>	Epigenetics; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Stem Cell/Wnt; Cell Cycle/DNA Damage
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	JAK/HDAC-IN-3 (13a) is a dual JAK and HDAC inhibitor, with IC <sub>50</sub> values of 25.36 nM, 0.2 μM and 0.43 μM for JAK2, HDAC and HDAC1, respectively <sup>[1]</sup> .
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## REFERENCES

[1]. Qianqian Qiu, et al. Exploration of Janus Kinase (JAK) and Histone Deacetylase (HDAC) Bispecific Inhibitors Based on the Moiety of Fedratinib for Treatment of Both Hematologic Malignancies and Solid Cancers. *J Med Chem.* 2023 Apr 27;66(8):5753-5773.

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

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