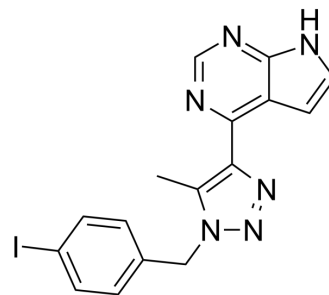


## JAK1-IN-9

Cat. No.:	HY-144440
Molecular Formula:	C <sub>16</sub> H <sub>13</sub> N <sub>6</sub>
Molecular Weight:	416.22
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	JAK1-IN-9 (compound 23a) is a potent and selective JAK1 inhibitor with an IC <sub>50</sub> of 72 nM. JAK1-IN-9 shows selective against other JAKs by 12 times or more <sup>[1]</sup> .	
IC <sub>50</sub> & Target	JAK1 72 nM (IC <sub>50</sub> )	JAK2 839 nM (IC <sub>50</sub> )

### REFERENCES

[1]. WooChan Kim, et al. Synthesis and structure-activity relationship studies of 1,5-isomers of triazole-pyrrolopyrimidine as selective Janus kinase 1 (JAK1) inhibitors. *Bioorg Med Chem Lett.* 2022 Jan 1;55:128451.

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

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