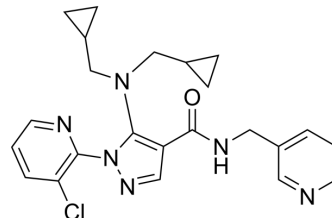


## Transketolase-IN-6

Cat. No.:	HY-163311
Molecular Formula:	C <sub>23</sub> H <sub>27</sub> ClN <sub>6</sub> O
Molecular Weight:	438.95
Target:	Transketolase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Transketolase-IN-6 (Compound 6b) is a herbicide lead compound. Transketolase-IN-6 displays a highly inhibitory effect with the root inhibition of about 80% against *Amaranthus retroflexus* and *Setaria viridis*. Transketolase-IN-6 is a potent transketolase (TK) inhibitor<sup>[1]</sup>.

### REFERENCES

[1]. Hu S, et al. Design, Synthesis, and Herbicidal Activity of Pyrazole Amide Derivatives as Potential Transketolase Inhibitors. *J Agric Food Chem.* 2024 Feb 21;72(7):3334-3341.

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

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