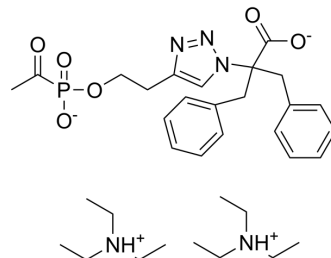


## DXPS-IN-1

Cat. No.:	HY-161406
Molecular Formula:	C <sub>34</sub> H <sub>54</sub> N <sub>5</sub> O <sub>6</sub> P
Molecular Weight:	659.8
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

DXPS-IN-1 (Compound 8) is an inhibitor of 1-deoxy-D-xylulose-5-phosphate synthase (DXPS) with a  $K_i$  value of 2.9 nM against EcDXPS. DXPS-IN-1 exhibits antibacterial activity<sup>[1]</sup>.

## REFERENCES

[1]. Coco LB, et al. Potent Inhibition of E. coli DXPS Synthase by a gem-Diaryl Bisubstrate Analog. ACS Infect Dis. 2024;10(4):1312-1326.

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

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