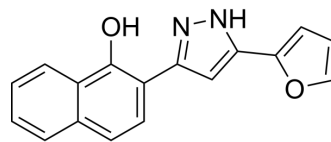


## VU0038882

Cat. No.:	HY-118951
CAS No.:	429653-28-1
Molecular Formula:	C <sub>17</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	276.29
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	VU0038882 is a small-molecule activator of coproporphyrinogen oxidase (CgoX). VU0038882 can activate CgoX from Gram-Positive bacteria in vitro. VU0038882 can be used for the research of skin and soft tissue infections (SSTIs) <sup>[1]</sup> .
<b>In Vitro</b>	<p>VU0038882 (‘882) (40 μM) exposure leads to accumulation of CP III in <i>S. aureus</i> <sup>[1]</sup>.</p> <p>VU0038882 (0-10 μM) activates CgoX from Gram-Positive bacteria in vitro <sup>[1]</sup>.</p> <p>VU0038882 (50 μM) induces photosensitivity in Gram-positive pathogens <sup>[1]</sup>.</p> <p>VU0038882 leads to massive heme accumulation resulting in HssRS activation in <i>S. aureus</i> <sup>[1]</sup>.</p> <p>VU0038882 leads to photosensitization of Gram-positive bacteria, reducing bacterial burdens in vivo <sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

[1]. Mao Y, et al. Development of a MMAE-based antibody-drug conjugate targeting B7-H3 for glioblastoma. *Eur J Med Chem.* 2023;257:115489.

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

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