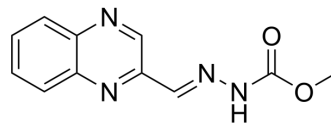


## Desoxycarbadox

<b>Cat. No.:</b>	HY-136428
<b>CAS No.:</b>	55456-55-8
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>10</sub> N <sub>4</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	230.22
<b>Target:</b>	Drug Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Desoxycarbadox is a metabolite of Carbadox (HY-B1340). Carbadox is a quinoxaline-di-N-oxide antibiotic compound <sup>[1][2]</sup> .
<b>In Vivo</b>	Desoxycarbadox plays a significant role in the tumorigenic activity of carbadox in rats <sup>[3]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. MacIntosh AI, et al. Liquid chromatographic monitoring of the depletion of carbadox and its metabolite desoxycarbadox in swine tissues. J Assoc Off Anal Chem. 1985;68(4):665-671.
- [2]. Looft T, et al. Carbadox has both temporary and lasting effects on the swine gut microbiota. Front Microbiol. 2014;5:276. Published 2014 Jun 10.
- [3]. Zhang K, et al. Investigation of quinoxaline-induced mitochondrial damage and apoptosis in HepG2 cells and compared with its metabolites. Environ Toxicol Pharmacol. 2015;39(2):555-567.

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

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