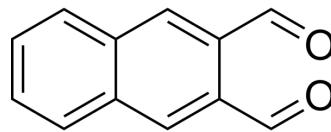


## Naphthalene-2,3-Dicarboxaldehyde

Cat. No.:	HY-W016288
CAS No.:	7149-49-7
Molecular Formula:	C <sub>12</sub> H <sub>8</sub> O <sub>2</sub>
Molecular Weight:	184.19
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Naphthalene-2,3-Dicarboxaldehyde (2,3-Naphthalenedicarboxaldehyde), a phthalaldehyde derivative, is a fungal ASADH inhibitor ( $K_i$ : 45  $\mu$ M). Naphthalene-2,3-Dicarboxaldehyde inhibits the growth of *C. albicans* CAF2-1 with  $IC_{50}$  of 58.2  $\mu$ M and MIC of 12  $\mu$ g/mL<sup>[1]</sup>.

### REFERENCES

[1]. Dahal GP, et al. Aspartate semialdehyde dehydrogenase inhibition suppresses the growth of the pathogenic fungus *Candida albicans*. *Drug Dev Res.* 2020 Sep;81(6):736-744.

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

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