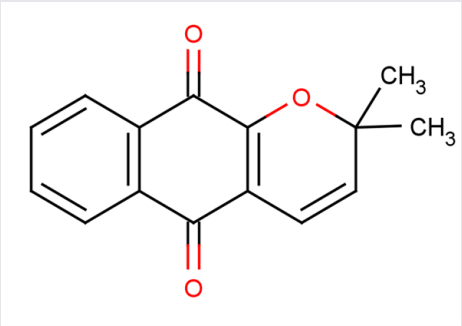
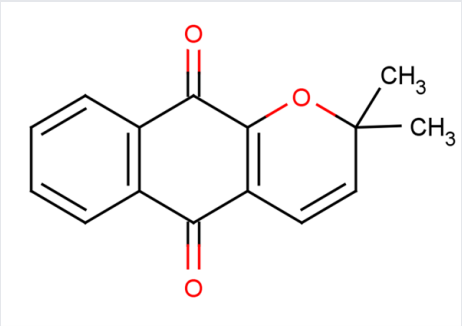
# Xyloidone Inhibitor

## PRODUCT OVERVIEW

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|---|---|
| **Product Name** | Xyloidone, Inhibitor |
| **Full Product Name** | Xyloidone |
| **Product Synonym Names** | NSC-106453 |
| **Purity/Purification** | 98% |
| **Preparation and Storage** | Powder: -2 degree C for 3 years<br>In solvent: -80 degree C for 2 years |
| **Molecular Weight** | 240.258 |
| **SMILES** | CC1(C)OC2=C(C=C1)C(=O)c1ccccc1C2=O |
| **Formula** | C15H12O3 |
| **CAS Number** | 15297-92-4 |
| **Target** | Antifungal |
| **Solubility** | DMSO: Soluble<br>(<1mg/mL refers to the product slightly soluble or insoluble) |
| **In_vitro** | Xyloidone inhibits vessel regeneration, interferes with vessel anastomosis, and limits plexus formation in zebrafish. Xyloidone induces vascular pruning and growth delay in orthotopic mammary tumors in mice. Xyloidone targets cell adhesion by promoting ubiquitination of the Rho-GTPase Rac1, which is frequently up-regulated in many different cancers[1]. |
| **Product Categories/Family for Xyloidone, inhibitor** | Microbiology/Virology |
| **Related Product Information for Xyloidone, inhibitor** | Xyloidone exhibits antifungal activity and completely inhibits the mycelial growth of B. cinerea, ColletotricuM acutauM Simmonds, ColletotricuM gloeosporioides Simmonds, M. grisea, and PythuM ultiuM Trow over a range of 0.4-33.3mg/L. |
| **Product References and Citations for Xyloidone, inhibitor** | 1 Morae DC e al beta-lapachon an alpha-nor-lapachon modulat Candid albican viabilit an virulenc factors Myco Med 201 Ma 26 pii S1156-5233(17)30379-7.<br>2 Garkavtse I e al Dehydro-alpha-lapachone plan produc wit antivascula activity Pro Nat Aca Sc A 201 Ju 12 08(28):11596-601.<br>3 Ch JY e al Dehydro-alpha-lapachon isolate fro Catalp ovat stems activit agains plan pathogeni fungi Pes Mana Sci 200 May 2(5):414-8.<br>4 Otte S Rosazz JP Microbia transformation o natura antiuMo agents conversio o lapacho t dehydro-alpha-lapachon b Curvulari lunata App Enviro Microbiol 197 Aug 8(2):311-3. |
| **Other Notes** | Small volumes of Xyloidone, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for Xyloidone purchase** | MBS5772228 is an inhibitor targeting Xyloidone. |




**Structure of Xyloidone, inhibitor**
Xyloidone, CAS 15297-92-4




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Xyloidone, CAS 15297-92-4

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures.

**MyBioSource** | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/inhibitor/xyloidone/5772228