



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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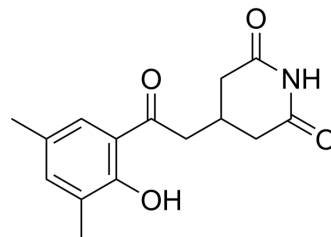
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## Actiphenol

Cat. No.:	HY-W399940
CAS No.:	526-02-3
Molecular Formula:	C <sub>15</sub> H <sub>17</sub> NO <sub>4</sub>
Molecular Weight:	275.3
Target:	Antibiotic; Influenza Virus; Drug Intermediate
Pathway:	Anti-infection; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Actiphenol is an antibiotic against coxsackievirus B3 and influenza A virus (IC<sub>50</sub>s = 14.37 and 34.4 µg/mL, respectively). Actiphenol is also an aromatic ketone that exhibits weak eukaryotic translation inhibition activity, which is found in *Streptomyces* species. Actiphenol can be used as a key intermediate to synthesize Cycloheximide (HY-12320)<sup>[1][2]</sup>.

### REFERENCES

[1]. Ji XY, et al. Synthesis and antiviral activities of synthetic glutarimide derivatives. *Chem Pharm Bull (Tokyo)*. 2010 Nov;58(11):1436-41.

[2]. Yin M, et al. Cycloheximide and actiphenol production in *Streptomyces* sp. YIM56141 governed by single biosynthetic machinery featuring an acyltransferase-less type I polyketide synthase. *Org Lett*. 2014 Jun 6;16(11):3072-5.

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

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