Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@hellobio.com



# **DATASHEET**

Prodigiosin

#### **Product overview**

 Name
 Prodigiosin

 Cat No
 HB4034

 Purity
 >95%

**Description** Antibiotic. Antimicrobial.

## **Biological Data**

Biological description Red-pigmented antibiotic. Antimalarial. Immunosuppressive. Apoptosis inducer. Cytotoxic. Induces

phosphorylation of p38-MAPK. Antimetastatic. Tumor invasion inhibitor. Induces p21WAF1/CIP1 expression. Anticancer compound. gp91(phox) and iNOS expression inhibitor. mTORC1 and mTORC2 complex inhibitor. Down-regulates SKP2 to induce p27(KIP1) stabilization.

## **Solubility & Handling**

Storage instructions +4°C

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

**Shipping Conditions** Stable for ambient temperature shipping. Follow storage instructions on receipt.

Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

#### **Chemical Data**

Molecular Weight Chemical structure

323.4 N N CH<sub>3</sub> 82-89-3

CAS Number
PubChem identifier

 $\label{eq:cccc1cc} \textbf{SMILES} \qquad \qquad \textbf{CCCCc1cc}([nH]c1C) \\ \\ \text{C=C/2NC}(/C=C2OC) \\ \\ = C3 \\ \\ \text{C=CC=N3}$ 

InChiKey SZXDNGVQRDTJSD-FOWTUZBSSA-N

**Appearance** Dark red solid