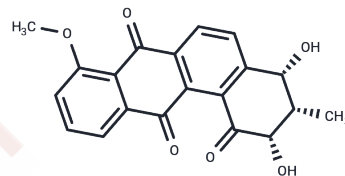


## Rubiginone D2

## Chemical Properties

CAS No. :	274913-71-2
Formula:	C <sub>20</sub> H <sub>16</sub> O <sub>6</sub>
Molecular Weight:	352.34
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Rubiginone D2 is an antibiotic with inhibitory effects against <i>Bacillus subtilis</i> , <i>Staphylococcus aureus</i> , and <i>Escherichia coli</i> . It exhibits anticancer properties by suppressing the proliferation of cancer cells such as HM02, Kato III, HepG2, and MCF7, with GI50 values of 0.1, 0.7, <0.1, and 7.5 μM, respectively.
Targets(IC50)	Antibacterial, Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8382 mL	14.1908 mL	28.3817 mL
5 mM	0.5676 mL	2.8382 mL	5.6763 mL
10 mM	0.2838 mL	1.4191 mL	2.8382 mL
50 mM	0.0568 mL	0.2838 mL	0.5676 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481