

## Quorum sensing-IN-4

## Chemical Properties

CAS No. :

Formula: C<sub>13</sub>H<sub>10</sub>ClNO<sub>2</sub>

Molecular Weight:

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	Quorum sensing-IN-4 (compound 2) is a quorum sensing inhibitor isolated from the <i>Streptomyces</i> sp. OUCMDZ-5511 found in Thai mangroves.
Targets(IC50)	Antibacterial
In vitro	Quorum sensing-IN-4 (compound 2) at concentrations of 12.5, 25, 50, and 100 µg/mL over a period of 24 hours inhibits the growth of <i>C. violaceum</i> ATCC 12472, as well as the production of violacein and biofilm formation.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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