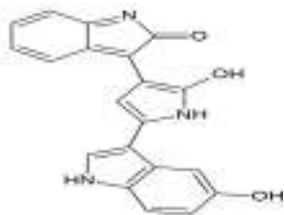


Violacein

ALTERNATE NAME: (3E)-3-[1,2-dihydro-5-(5-hydroxy-1H-indol-3-yl)-2-oxo-3H-pyrrol-3-ylidene]-1,3-dihydro-2H-indol-2-one

CATALOG #: B3241-1 1 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₀H₁₃N₃O₃

MOLECULAR WEIGHT: 343.3

CAS NUMBER: 548-54-9

APPEARANCE: Dark purple to black solid

PURITY: ≥98%

SOLUBILITY: DMSO

DESCRIPTION: Violacein, an indole-derived purple-colored natural pigment produced by *Janthinobacterium lividum*, displays multiple biological activities, including strong inhibition of Gram-positive pathogens. It inhibits the growth of head and neck carcinoma cell lines both in vitro and in vivo. Violacein permeabilizes the cytoplasmic membrane of bacterial cells but does not affect the cell wall.

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Atovaquone (B2640)
Furazolidone (B2697)
Curvularin (9694)
Boromycin (B3224)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*