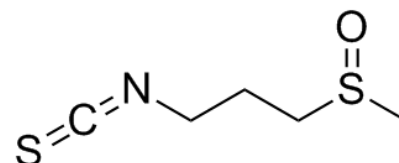


Product Name : Iberin
Cat. No. : PC-42374
CAS No. : 505-44-2
Molecular Formula : C₅H₉NOS₂
Molecular Weight : 163.26106
Target : Apoptosis Inducer
Solubility : Ethanol: 10 mg/mL



Biological Activity

Iberin is an isothiocyanate compound from horseradish that exhibits anticancer activity, a quorum-sensing inhibitor (QSI) of the bacterial pathogen *Pseudomonas aeruginosa*, and significantly induces Nrf2 nuclear translocation in NIH3T3 fibroblasts; induces cell cycle arrest and apoptosis in human neuroblastoma cells associated with inhibition of expression of Cdk2, Cdk4, and Cdk6 proteins.

References

- Jadhav U, et al. *Int J Mol Med*. 2007 Mar;19(3):353-61.
Jadhav U, et al. *J Pharmacol Sci*. 2007 Feb;103(2):247-51.
Jakobsen TH, et al. *Appl Environ Microbiol*. 2012 Apr;78(7):2410-21.
Tan SY, et al. *Antimicrob Agents Chemother*. 2014 Nov;58(11):6648-59.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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