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Certificate of Analysis

Catalog Number	BP17743
Product Name	Rubioncolin C

Physical and Chemical Properties

CAS No.	132242-52-5
Chemical Formula	C27H22O6
Molecular Weight	442.467
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

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Description	Rubioncolin C shows good cytotoxicity with IC50 value of $1.53 \ \mu$ M and NF- κ B inhibitory activity with IC50 value of 2.97 μ M.
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In vitro In	In vitro	Their structures and absolute configurations were determined mainly by NMR, X-ray diffraction, and computational methods. Rubipodanones C and D, the glycosides of rubipodanone A and a pair of C-3 epimer, are the first identified dimeric napthohydroquinone glycosides from the Rubia plants. All naphthohydroquinone dimers were evaluated for their cytotoxicities against ten tumor cell lines and effects on the tumor-associated NF- κ B signaling pathway, and Rubioncolin C showed the best cytotoxicity with IC50 value of 1.53 μ M and NF- κ B inhibitory activity with IC50 value of 2.97 μ M.
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Analytical Data

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HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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