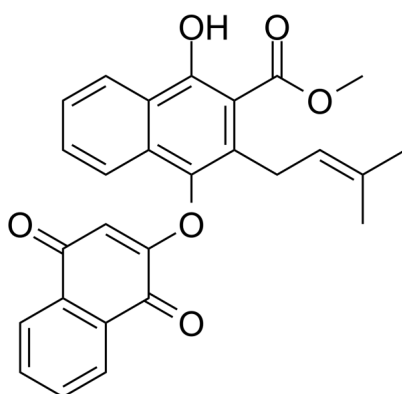


## Data Sheet

### Product Information

Catalog Number	BP17743
Product Name	Rubioncolin C
Description	Rubioncolin C shows good cytotoxicity with IC <sub>50</sub> value of 1.53 $\mu$ M and NF- $\kappa$ B inhibitory activity with IC <sub>50</sub> value of 2.97 $\mu$ M.
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 naphthohydroquinone 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- $\kappa$ B signaling pathway, and Rubioncolin C showed the best cytotoxicity with IC <sub>50</sub> value of 1.53 $\mu$ M and NF- $\kappa$ B inhibitory activity with IC <sub>50</sub> value of 2.97 $\mu$ M.
CAS No.	132242-52-5
Chemical Formula	C <sub>27</sub> H <sub>22</sub> O <sub>6</sub>
Molecular Weight	442.467
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure  
OR  
Tested Image



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v2 Revision on 12/28/2022