**PRODUCT INFORMATION**

**Benzomalvin C**  
*Item No. 22064*

- **CAS Registry No.:** 157047-98-8  
- **Formal Name:** (2R,3S)-rel-(+)-6’-methyl-3-phenyl-spiro[oxirane-2,7’(13’H)-quinazolino[3,2-a][4,1]benzodiazepine]-5’,13’(6’H)-dione  
- **MF:** C_{24}H_{17}N_{3}O_{3}  
- **FW:** 395.4  
- **Purity:** ≥95%  
- **Supplied as:** A solid  
- **Storage:** -20°C  
- **Stability:** ≥2 years

*Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.*

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**Laboratory Procedures**

Benzomalvin C is supplied as a solid. A stock solution may be made by dissolving the benzomalvin C in the solvent of choice. Benzomalvin C is soluble in organic solvents such as ethanol, methanol, DMSO, and dimethyl formamide, which should be purged with an inert gas.

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**Description**

Benzomalvin C is a weak antagonist of the neurokinin-1 (NK_{1}) receptor inhibiting binding of substance P by 46% when used at 100 µg/ml in vitro. It is also a weak inhibitor of indolamine 2,3-dioxygenase (IDO) with an IC\textsubscript{50} value of 130 µM for recombinant IDO. It was isolated from *Penicillium* and contains an epoxide group at C-19 and C-20, which is not present in benzomalvins A, B, or E.

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**References**