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]
[1,4]benzdiazepine]-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: ≥4 years

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

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, which should be purged with an inert gas. Benzomalvin C is soluble in organic solvents such as ethanol, methanol, DMSO, and dimethyl formamide.

Description

Benzomalvin C is a weak antagonist of the neurokinin-1 (NK₁) receptor inhibiting binding of substance P by 46% when used at 100 µg/ml in vitro.¹ It is also a weak inhibitor of indolamine 2,3-dioxygenase (IDO) with an IC⁵₀ value of 130 µM for recombinant IDO.² 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.

References