PRODUCT INFORMATION

Pixantrone (maleate)
Item No. 20055

CAS Registry No.: 144675-97-8
Formal Name: 6,9-bis[(2-aminoethyl)amino]benz[g]isoquinoline-5,10-dione, dimaleate
Synonym: BBR 2778
MF: C_{17}H_{19}N_{5}O_{2} • 2C_{4}H_{4}O_{4}
FW: 557.5
Purity: ≥95%
UV/Vis.: \lambda_{\text{max}}: 214, 324, 513 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly

Laboratory Procedures

Pixantrone (maleate) is supplied as a crystalline solid. A stock solution may be made by dissolving the pixantrone (maleate) in the solvent of choice. Pixantrone (maleate) is soluble in the organic solvent DMSO, which should be purged with an inert gas, at a concentration of approximately 1 mg/ml.

Description

Pixantrone is an aza-anthracenedione analog that intercalates in DNA, directly alkylates DNA, and forms stable DNA adducts.\(^1\) It has demonstrated significant activity in preclinical models of solid tumors and hematologic malignancies.\(^1,2\) Pixantrone has revealed little or no measurable cardiotoxicity in several animal models.\(^1,2\) It also prevents acute experimental allergic encephalomyelitis development in animal studies, suggesting value in multiple sclerosis.\(^3\)

References