

Product Name: Bax channel blocker

Catalog No.: 2160

Batch No.: 1

CAS Number: 329349-20-4

IUPAC Name: 3,6-Dibromo- α -(1-piperazinylmethyl)-9*H*-carbazole-9-ethanol dihydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₂₁Br₂N₃O.H₂O

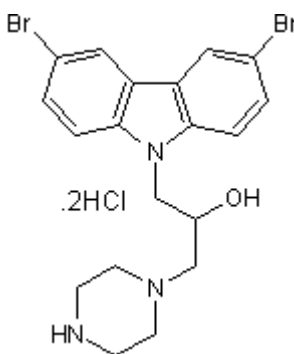
Batch Molecular Weight: 558.14

Physical Appearance: White solid

Solubility: water to 5 mM
DMSO to 100 mM

Storage: Desiccate at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.3 (Chloroform:Methanol [99:1])

Melting Point: Between 300 - 304°C

HPLC: Shows >98.4% purity

¹H NMR: Consistent with structure

	Carbon Hydrogen Nitrogen		
	Theoretical	Found	
	40.89	40.89	7.53
		4.45	7.51

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Name: Bax channel blocker

Catalog No.: 2160

Batch No.: 1

CAS Number: 329349-20-4

IUPAC Name: 3,6-Dibromo- α -(1-piperazinylmethyl)-9H-carbazole-9-ethanol dihydrochloride

Description:

Potent inhibitor of Bax-mediated mitochondrial cytochrome c release (IC_{50} = 0.52 μ M). Suggested to inhibit Bax channel formation/activity.

Physical and Chemical Properties:

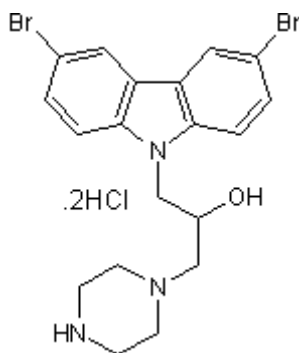
Batch Molecular Formula: C₁₉H₂₁Br₂N₃O.H₂O

Batch Molecular Weight: 558.14

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

water to 5 mM

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Bombrun et al (2003) 3,6-Dibromocarbazole piperazine derivatives of 2-propanol as first inhibitors of cytochrome c release via Bax channel modulation. *J.Med.Chem.* **46** 21.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Tocris Bioscience is an R&D Systems company
 USA & CANADA Tel: (800) 343-7475 EUROPE Tel: +44 (0)1235 529449 CHINA Tel: +86 (21) 52380373
www.RnDSystems.com

