



Product Information

Calcium channel inhibitor Pinaverium bromide, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ361

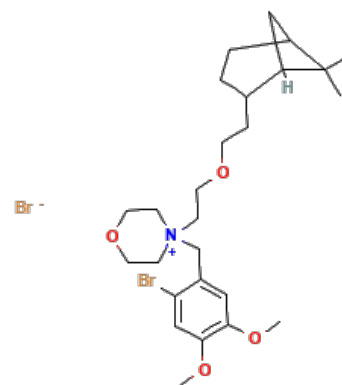
Size: 5 mg; 25 mg; 50 mg; 100 mg

CAS Number: 53251-94-8

Compound CID: 40703

Synonym: 53251-94-8; Calcium channel inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Pinaverium bromide, soluble in DMSO, water and ethanol, blocks the entry of calcium into cells, particularly in the heart and blood vessels.
Molecular Weight	591.42
Molecular Formula	C ₂₆ H ₄₁ Br ₂ NO ₄
IUPAC Name	4-[(2-Bromo-4,5-dimethoxyphenyl)methyl]-4-[2-[2-(6,6-dimethyl-2-bicyclo[3.1.1]heptanyl)ethoxy]ethyl]morpholin-4-ium;bromide
InChI	InChI=1S/C26H41BrNO4.BrH/c1-26(2)21-6-5-19(22(26)16-21)7-11-31-12-8-28(9-13-32-14-10-28)18-20-15-24(29-3)25(30-4)17-23(20)27;/h15,17,19,21-22H,5-14,16,18H2,1-4H3;1H/q+1;/p-1
InChI Key	IKGXLCMLVINENI-UHFFFAOYSA-M
Canonical SMILES	CC1(C2CCC(C1C2)CCOCC[N+](C)(C)C(COCC3)CC4=CC(=C(C=C4Br)OC)OC)C.[Br-]
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 99 mg/mL (167.39 mM); Water: 16 mg/mL (27.05 mM); Ethanol: 99 mg/mL
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	Used in the research of gastrointestinal disorders, Pinaverium bromide acts as a calcium channel blocker affecting motility.
Storage	Store at -20°C, and keep desiccated.



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