

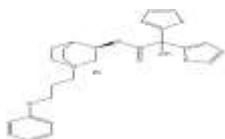
PRODUCT: **Acridinium bromide**

ALTERNATE NAME: (3R)-3-[(2-hydroxy-2,2-di-2-thienylacetyl)oxy]-1-(3-phenoxypropyl)-1-azoniabicyclo[2.2.2]octane, monobromide; LAS34273; LAS W-330

CATALOG #: B2281-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₆H₃₀NO₄S₂ • Br

MOLECULAR WEIGHT: 564.6

CAS NUMBER: 320345-99-1

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (~15 mg/ml)

PURITY: ≥95% by HPLC

STORAGE: Store at -20°C. Protect from air and moisture

DESCRIPTION: Acridinium bromide is a long-acting reversible antagonist at the muscarinic acetylcholine receptors (mAChRs), M₁, M₂, M₃, M₄, and M₅ (K_s= 0.1, 0.14, 0.14, 0.21, and 0.16 nM, respectively). Useful for the treatment of chronic obstructive pulmonary disease.

REFERENCES: Gavalda, A., *et al.* (2009). *J. Pharmacol. Exp. Ther.* **33**, 740-751.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:
Acridinium bromide (**B2281**)
BQCA (**B2265**)
GSK-961081 (**B1590**)
TBPB (**B1041**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**