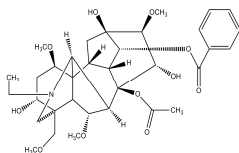


PRODUCT: Aconitine

ALTERNATE NAME: (1 α ,3 α ,6 α ,14 α ,15 α ,16 β)-20-Ethyl-1,6,16-trimethoxy-4-(methoxymethyl)aconitane-3,8,13,14,15-pentol 8-acetate 14-benzoate; Acetylbenzoylaconine

CATALOG #: 2423-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:

MOLECULAR FORMULA: C₃₄H₄₇NO₁₁

MOLECULAR WEIGHT: 645.75

CAS NUMBER: 302-27-2

APPEARANCE: White to off-white solid

SOLUBILITY: EtOH (~ 35 mg/ml) or H₂O (~0.3 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: At -20° C. Protect from light and air

DESCRIPTION: Aconitine is diterpene alkaloid derived from the tubers of *aconitium* plants. It is a neurotoxin that opens TTX(tetrodotoxin)-sensitive Na⁺ channels in the heart and other tissues, and is used for creating models of cardiac arrhythmia. Aconitine was previously used as an antipyretic and analgesic, and still has some limited application in herbal medicine.

REFERENCE: Ameri, A., *et al.* (1998). *Progress in Neurobiology* **56**, 211-235; Onur, R.R., *et al.* (1995). *Neuropharmacology* **34**, 1139-1145

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

RELATED PRODUCTS:

Mambalgin-1 (Cat. No. 2421-50, 100)

Veratridine (Cat. No. 2422-5, 25)

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