PRODUCT: Aconitine

ALTERNATE NAME: (1α,3α,6α,14α,15α,16β)-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: C_{34}H_{47}NO_{11}
MOLECULAR WEIGHT: 645.75
CAS NUMBER: 302-27-2
APPEARANCE: White to off-white solid
SOLUBILITY: EtOH (~35 mg/ml) or H_{2}O (~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 aconitum 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.


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.