PRODUCT DATA SHEET

ALX-550-232

Aconitine

Na⁺ channel activator

Product Number/ Sizes
ALX-550-232-M025 25 mg Lot: L28539

A lipid-soluble neurotoxin that acts as a sodium channel modulator. Binds with high affinity to the open state of the voltage-sensitive sodium channels at site 2, thereby causing a persistent activation of the sodium channels, which become refractory to excitation.

Product Specifications

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

FORMULA: C₃₄H₄₇NO₁₁

MW: 645.7

PURITY: ≥98% (Actual lot: 98.5%)

APPEARANCE: White to off-white powder. (Actual lot: white powder)

CAS: 302-27-2

MI: 14: 118

RTECS: AR5960000

SOURCE/HOST: Isolated from Aconitum karacolium.

SOLUBILITY: Soluble in 100% ethanol (35mg/ml); almost insoluble in water (0.3mg/ml).

SHIPPING: AMBIENT

LONG TERM STORAGE: +4°C

HAZARD: VERY TOXIC.

HANDLING: Protect from light.

Product Literature References


WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

MATERIAL SAFETY DATA. This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet.

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Date: November 22, 2011