[Product Information]

Name: Lappaconitine Hydrobromide
Catalog No.: CFN90361
Cas No.: 97792-45-5
Purity: >=98%
M.F: C₃₂H₄₄N₂O₈.HBr
M.W: 665.61
Physical Description: Powder
Synonyms: (1a,14a,16b)-20-Ethyl-1,14,16-trimethoxyaconitane-4,8,9-triol4-(2-(acetylamo
no)benzoate) hydrobromide; Lappaconite HBr.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The roots of Aconitum carmichaeli Debx.

[Biological Activity or Inhibitors]
Fos protein expression in dorsal horn of spinal cord and pain reaction can be suppressed by intraperitoneal injection of lappaconitine in a dose-dependent manner in rats, lappaconitine hydrobromide may reinforce the activity of pain modulation system in brainstem and inhibit the inputs of peripheral pain message through enhancing norepinephrine releasing.[1]

Lappaconitine hydrobromide can remove inflammation and swelling, lower temperature and relieve heat, it also can be used for local anesthesia.[2]

Lappaconitine hydrobromide injection and shenfu Injection have biphasic effect on inducing differentiation and apoptosis of HL-60, and this will supply the experimental evidence for warming-yang method in treating leukemia.[3]

The clathrate with hydrobromide of lappaconitine (I•HBr-IV) has a high activity on the two models of arrhythmia.[4]

[ Solvent ]
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[ HPLC Method ] [5]
Mobile phase: 0.05 M NaH₂PO₄-Methanol=28:72;
Flow rate:1.0 ml/min;
Column temperature: 25℃;
The wave length of determination:252 nm.

[ Storage ]
2-8℃, Protected from air and light, refrigerate or freeze.

[ References ]


[Contact]

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