

# Protoveratrine A Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

## [ Product Information ]

**Name:** Protoveratrine A

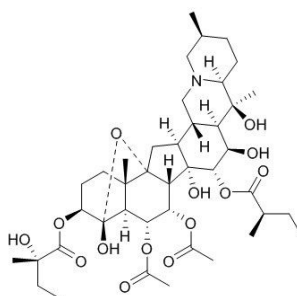
**Catalog No.:** CFN98521

**Cas No.:** 143-57-7

**Purity:** >=95%

**M.F:** C<sub>41</sub>H<sub>63</sub>NO<sub>14</sub>

**M.W:** 793.94



**Physical Description:** Powder

**Synonyms:** 6,7-Diacetate-3-((+)-2-hydroxy-2-methylbutyrate)-15-((-)-2-methylbutyrate); [3β(S),4α,6α,7α,15α(R),16β]-4,9-epoxyceveane-3,4,6,7,14,15,16,20-octol 6,7-diacetate 3-(2-hydroxy-2-methylbutyrate) 15-(2-methylbutyrate); 4α,9-Epoxyceveane-3β,4,6α,7α,14,15α,16β,20-octol 6,7-diacetate 3-[(S)-2-hydroxy-2-methylbutanoate]-15-[(R)-2-methylbutanoate]; Puroverine; Protalba; Protoveratrin.

## [ Intended Use ]

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

## [ Source ]

The roots of *Veratrum nigrum* L.

## **[ Biological Activity or Inhibitors ]**

Protoveratrine A has depolarizing effects on the rat diaphragm.<sup>[1]</sup>

Protoveratrine A has some effects on cardiovascular and respiratory systems in rats in reducing the blood pressure and heart rate,prolonging the QTc interval,decreasing the respiratory rate and increasing the respiratory width.<sup>[2]</sup>

Protoveratrine A can increase K<sup>+</sup> uptake from frog skeletal muscle and cause this tissue to release more calcium (Ca<sup>++</sup>).<sup>[3]</sup>

Protoveratrine A has anti-hypertensive action.<sup>[4]</sup>

## **[ Solvent ]**

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

## **[ HPLC Method ]**

Not data available.

## **[ Storage ]**

2-8°C, Protected from air and light, refrigerate or freeze.

## **[ References ]**

[1] Hong S J, Chang C C. *Toxicon*, 1983, 21(4):503-14.

[2] Zhao Y, Jiang H, Xi G L, et al. *Journal of Pharmaceutical Practice*, 2010, 28(5):348-51.

[3] Lister R E, Lewis J J. *J. Pharm. Pharmacol.* 1959, 11(S1):176-84.

[4] Calliauw L. *Archives Internationales De Pharmacodynamie Et De Thérapie*, 1956, 107(1).

## **[ Contact ]**

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