PRODUCT INFORMATION

Desacetylcinobufagin
Item No. 39822

CAS Registry No.:	4026-95-3
Formal Name:	(5β)-14,15β-epoxy-3β,16β-dihydroxy-bufa-20,22-dienolide
Synonyms:	Deacetylcinobufagin, NSC 234203
MF:	$C_{24}H_{32}O_5$
FW:	400.5
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years
Item Origin:	Plant/*Bufonis Venenum*
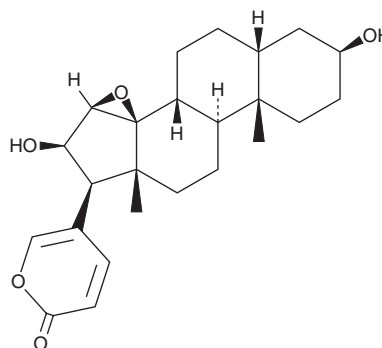
Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Desacetylcinobufagin is supplied as a solid. A stock solution may be made by dissolving the desacetylcinobufagin in the solvent of choice, which should be purged with an inert gas. Desacetylcinobufagin is slightly soluble in acetonitrile, DMSO and methanol.

Description

Desacetylcinobufagin is an active metabolite of the cardiotonic steroid cinobufagin (Item No. 19844).[1] It is cytotoxic to HepG2, K562, and HL-60 cells (IC_{50}s = 51.2, 50.1, and 7.5 µM, respectively).

Reference

1. He, X., Hu, H., Wu, Y., *et al.* Urinary metabolites of cinobufagin in rats and their antiproliferative activities. *Nat. Prod. Res.* **26(6)**, 489-499 (2012).