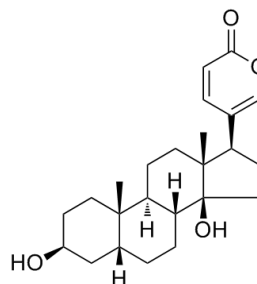


Product Name	: Bufalin
Synonyms	: NSC 89595
Cat No.	: M14561
CAS Number	: 465-21-4
Molecular Formula	: C ₂₄ H ₃₄ O ₄
Formula Weight	: 386.52
Chemical Name	: 5-((3S,5R,8R,9S,10S,13R,14S,17R)-3,14-dihydroxy-10,13-dimethylhexadecahydro-1H-cyclopenta[a]phenanthren-17-yl)-2H-pyran-2-one
Description	<p>Bufalin is an active ingredient and one of the glycosides in the traditional Chinese medicine ChanSu; it is also a bufadienolide toxin originally isolated from the venom of the Chinese toad Bufo gargarizans, with potential cardiotonic and antineoplastic activity. Although the mechanism of action of bufalin is still under investigation, this agent is a specific Na⁺/K⁺-ATPase inhibitor and can induce apoptosis in Y cell lines through the activation of the transcription factor AP-1 via a mitogen activated protein kinase (MAPK) pathway.</p>
Pathway	: Endocrinology/Hormones
Target	: ATPase
Receptor	: Na ⁺ /K ⁺ -ATPase
Solubility	: DMSO: 10 mM
SMILES	: 5-((3S,5R,8R,9S,10S,13R,14S,17R)-3,14-dihydroxy-10,13-dimethylhexadecahydro-1H-cyclopenta[a]phenanthren-17-yl)-2H-pyran-2-one
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1.Chen YY, et al. Environ Toxicol. 2015 Jan;30(1):74-82.