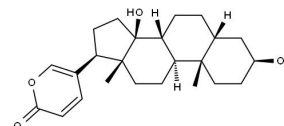


Technical Data Sheet

Bufalin

Compound Information

Product Name:	Bufalin
CAS No.:	465-21-4
Molecular Formula:	C ₂₄ H ₃₄ O ₄
Molecular Weight:	386.53
Storage:	Powder -20°C 3 years; 4°C 2 years In solvent -80°C 6 months; -20°C 1 month
Revision Date:	2026-04-15



Analytical Information

Tests	Specifications
Description	Bufalin is a potent Na ⁺ /K ⁺ -ATPase inhibitor, binds to the subunit α1, α2 and α3, with K _d of 42.5, 45 and 40 nM respectively, it has anti-cancer activity.
Form	White to off-white solid
Color	White to off-white
Solubility	DMSO:36.0(Max Conc. mg/mL);93.14(Max Conc. mM) DMF:25.0(Max Conc. mg/mL);64.68(Max Conc. mM) Ethanol:27.5(Max Conc. mg/mL);71.15(Max Conc. mM) Ethanol:PBS (pH 7.2) (1:2):0.3(Max Conc. mg/mL);0.78(Max Conc. mM)
Purity (HPLC)	99.47%
MS	Pass test
1H NMR	Pass test
IR	Pass test

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