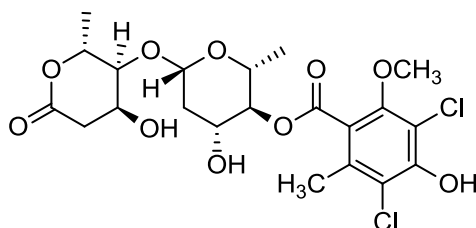


Flambalactone

Code No.: **BIA-F1626**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

CAS #	: 55729-17-4
Molecular Formula	: C₂₁H₂₆Cl₂O₁₀
Molecular Weight	: 509.3
Source	: Semi-synthetic
Appearance	: White to off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Flambalactone is a degradation product of flambamycin and the avilamycin antibiotic complexes isolated from *Streptomyces hygroscopicus* by researchers at May & Baker in the 1970s. Degradation of the avilamycins by methanolic HCl affords flambalactone and related flambic acid esters. Flambalactone is used as an important standard for quantifying the residue levels of the avilamycin complex, marketed as SurmaxTM for animal health use.

References

1. Methanolysis of flambamycin. Formation and the constitutions of flambalactone, methyl flambate, flambatriose isobutyrate and flambatetrose isobutyrate. Ollis W.D. and Smith C., J. Chem. Soc. Chem. Commun. 1974, 882.
2. Stoffwechselprodukte von Mikroorganismen. 178. Die Avilamycin A und C: Chemischer Abbau und spektroskopische Untersuchungen. Keller-Schierlein W. et al., Helv. Chim. Acta 1979, 62, 7.
3. Tissue residues and metabolism of avilamycin in swine and rats. Magnussen J.D. et al., J. Agr. Food Chem. 1991, 39, 306.