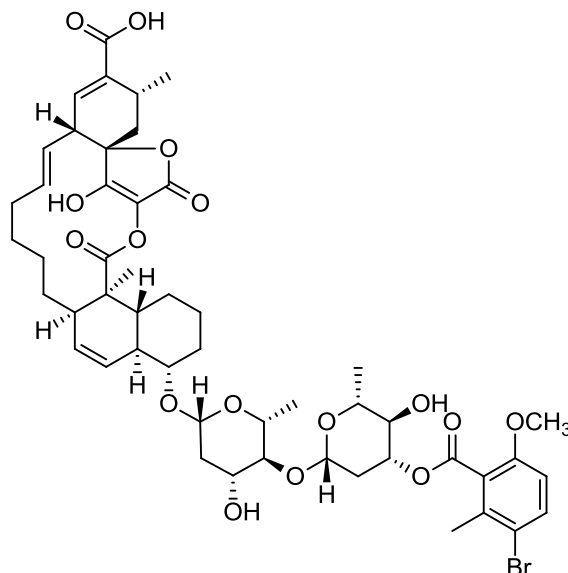


Bromothricin

Code No.: **BIA-B1623**

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



Synonyms :

Specifications

CAS #	:	-
Molecular Formula	:	C₅₀H₆₃BrO₁₆
Molecular Weight	:	999.9
Source	:	<i>Streptomyces</i> sp.
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

Bromothricin is a directed biosynthetic analogue of chlorothricin, produced by a chlorothricin-producing strain of *Streptomyces antibioticus* using media supplemented with potassium bromide. The bromide preferentially replaces the chlorine in the benzoate ester, yielding bromothricin as the dominant metabolite. Bromothricin was first fermented and isolated by Zahner and colleagues in 1989 at the University of Tübingen in Germany. Bromothricin exhibits similar properties to chlorothricin.

References

1. Bromothricin. Keller-Schierlein W. et al. *Experientia* 1969, 25, 786.
2. Stoffwechselprodukte von Mikroorganismen. Chlorothricin und Des-chlorothricin. Keller-Schierlein W. et al. *Helv. Chim. Acta* 1969, 52, 127.

Updated: 2 December 2014