

Product Name: Bromothricin

Product Number: B056

Molecular Formula: $C_{50}H_{63}BrO_{16}$

Molecular Weight: 999.9

Appearance: White to off white solid

Storage Conditions: -20°C

Description: 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.

Bromothricin is soluble in ethanol, methanol, DMF and DMSO.

References: Bromothricin. Keller-Schierlein W. et al. *Experientia* 1969, 25, 786.

Stoffwechselprodukte von Mikroorganismen. Chlorothricin und Des-chlorothricin. Keller-Schierlein W. et al. *Helv. Chim. Acta* 1969, 52, 127.