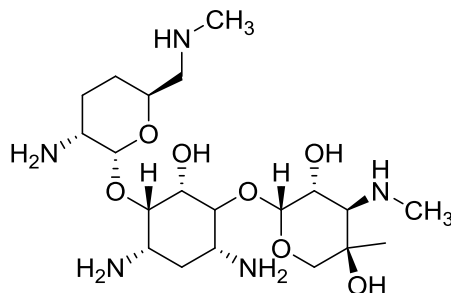


Gentamicin C2b

Code No.: **BIA-G1563**

Pack sizes: **5 mg, 25 mg**



Synonyms : Micronomicin, Sagamicin, Santemycin, Antibiotic KW 1062, Antibiotic XK 62-2

Specifications

CAS #	: 52093-21-7
Molecular Formula	: C ₂₀ H ₄₁ N ₅ O ₇
Molecular Weight	: 463.6
Source	: <i>Micromonospora sagamiensis</i> var. <i>nonreductans</i>
Appearance	: Yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Gentamicin C2b (micronomicin) is a trisaccharide pentaaminoglycoside antibiotic belonging to the gentamicin class. Gentamicin C2b was isolated from *Micromonospora sagamiensis* var. *nonreductans* by researchers at Kyowa Hakko Kogyo in 1974. Gentamicin C2b has broad activity against Gram positive and Gram negative bacteria. More recently, gentamicin C2b has been shown to induce neuromuscular blockage.

References

1. A new antibiotic XK-62-2 (Sagamicin). I. Isolation, physicochemical and antibacterial properties. Okachi R. J. Antibiot. 1974, 27, 793.
2. A new antibiotic XK-62-2 (Sagamicin). II. Taxonomy of the producing organism, fermentative production and characterisation of sagamicin. Nara T. et al., J. Antibiot. 1975, 28, 1.
3. A new antibiotic XK-62-2. III. The structure of XK-62-2, a new gentamicin C complex antibiotic. Egan R.S. et al., J. Antibiot. 1975, 28, 29.