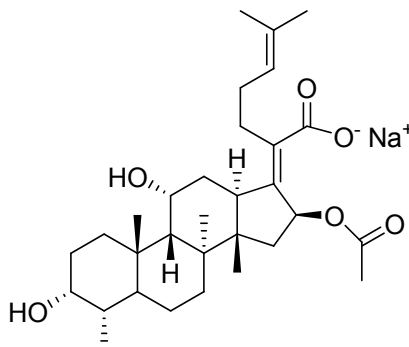


Fusidate sodium

Code: **BIA-F1259**

Pack sizes: **25 mg, 100 mg**



Synonyms : **Fusidic acid = Fusidin, Ramycin, NSC 56192, SQ 16603, Antibiotic SQ 16603**

Specifications

CAS # : **751-94-0**
Molecular Formula : **C₃₁H₄₇NaO₆**
Molecular Weight : **538.7**
Source : ***Fusidium coccineum***
Appearance : **White to off white powder**
Purity : **> 98% by HPLC**
Storage : **-20°C**
Solubility : **Soluble in water, ethanol, methanol, DMF or DMSO.**

Application Notes

Sodium fusidate is the more water soluble sodium salt of fusidic acid, a steroidal metabolite of *Fusidium coccineum* which is a Gram +ve antibiotic. Fusidic acid inhibits protein synthesis in prokaryotes by inhibiting the ribosome-dependent activity of G factor and translocation of peptidyl-tRNA. Fusidic acid has also been shown to suppress nitric oxide lysis of pancreatic islet cells.

References

1. Fusidic acid: a new antibiotic. Godtfredson W. O. et al. Nature 1962, 193, 987.
2. On the mode of action of fusidic acid. Harvey C. L. et al. Biochemistry 1969, 5, 3320.
3. Mechanism of protein synthesis inhibition by fusidic acid and related antibiotics. Tanaka N. et al. BBRC 1968, 30, 278.
4. Fusidic acid suppresses nitric oxide toxicity in pancreatic islet cells. Burkart V. et al. Biochem. Pharmacol. 1994, 48, 1379.