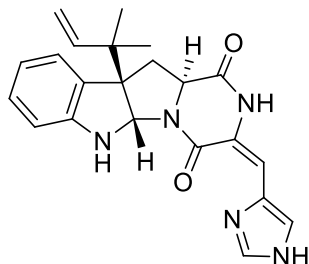


Roquefortine C

Code No.: **BIA-R1083**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : Roquefortine

Specifications

CAS #	: 58735-64-1
Molecular Formula	: C ₂₂ H ₂₃ N ₅ O ₂
Molecular Weight	: 389.5
Source	: Unidentified fungus
Appearance	: White Lyophilisate
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Roquefortine C is a potent tremorgenic mycotoxin originally isolated from *Penicillium roqueforti* in 1975 in Japan. Parallel research by Scott and colleagues lead to the structure elucidation of roquefortine C as an unusual diketopiperazine formed by coupling a prenylated tryptophan and histidine. Roquefortine C was subsequently found to be produced by a diverse range of fungi, most notably *Penicillium* species. Roquefortine is an important mycotoxin as low levels can be found in foodstuffs.

References

1. Identification of roquefortine C produced by *Penicillium roqueforti*. Ohmomo S. et al., *Agri. Biol. Chem.* 1977, 41, 2097.
2. Roquefortine and isofumigaclavine A, metabolites from *Penicillium roqueforti*. Scott P. M. et al., *Experientia* 1976, 32, 140.