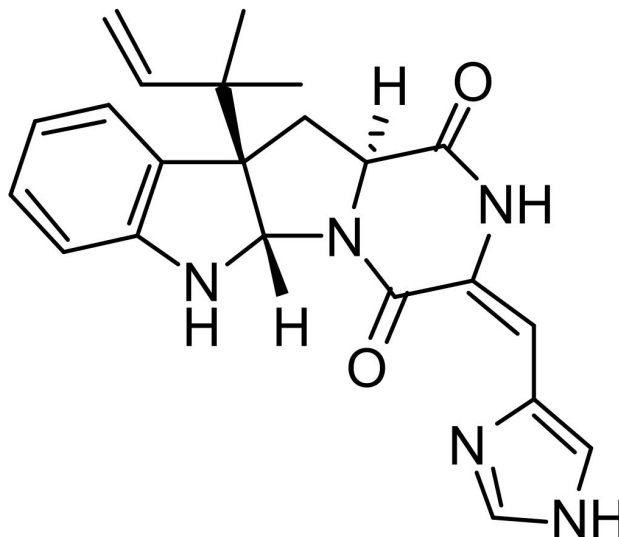


Roquefortine C

Code No.: BIA-R1083

Pack sizes.: 0.5mg, 2.5mg



Synonyms:
Roquefortine

Specifications

CAS #	: 58735-64-1
Molecular Formula	: C22H23N5O2
Molecular Weight	: 389.5
Source	: -
Appearance	: White Lyophilisate
Purity	: >99% 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.