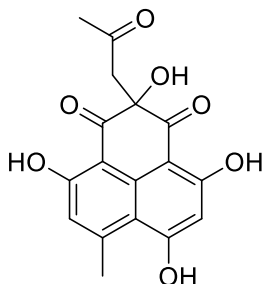


9-Demethyl FR-901235

Code No.: **BIA-F2377**

Pack sizes: **0.25 mg, 1 mg**



Synonyms :

Specifications

CAS #	:	1029520-85-1
Molecular Formula	:	C₁₇H₁₄O₇
Molecular Weight	:	330.29
Source	:	<i>Aspergillus</i> sp.
Appearance	:	Yellow solid
Purity	:	>95% by HPLC
Long Term Storage	:	-20°C
Solubility	:	Soluble in methanol or DMSO

Application Notes

9-Demethyl FR-901235 was first isolated from an endophytic penicillium species in 2008 by Lin and colleagues from the Ocean University of China. 9-Demethyl FR-901235 has antitumor activity. FR-901235 itself is an immunomodulator reported to restore normal mitogen-induced lymphocyte proliferation after treatment with an immunosuppressive factor and to partially restore the impaired delayed-type hypersensitivity to sheep red blood cells in tumor-bearing mice. 9-Demethyl FR-901235 was recently reported as being co-produced with talauxins by *Talaromyces stipitatus*.

References

1. Polyketides from *Penicillium* sp. JP-1, an endophytic fungus associated with the mangrove plant *Aegiceras corniculatum*. Lin Z. et al. *Phytochem.* 2008, 69, 1273.
2. A new immunomodulator, FR-901235. Shibata T. et al. *J Antibiot.* 1989, 42,1356
3. Talauxins: Hybrid phenalenone dimers from *Talaromyces stipitatus*. Chaudhary N.K. et al. *J Nat Prod.* 2020, 83, 1051.