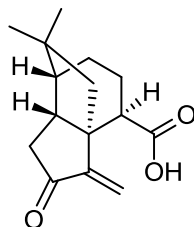


Terrecyclic Acid

Code No.: **BIA-T1560**

Pack sizes: 1 mg, 5 mg



Synonyms : Terrecyclic acid A

Specifications

CAS #	:	83058-94-0
Molecular Formula	:	C₁₅H₂₀O₃
Molecular Weight	:	248.3
Source	:	<i>Aspergillus terreus</i>
Appearance	:	Light tan residue
Purity	:	>95% by HPLC
Long Term Storage	:	-20°C
Solubility	:	Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Terrecyclic acid is a sesquiterpene metabolite produced by *Aspergillus terreus*, first reported by researchers at the Universities of Osaka and Tokyo in 1982. Terrecyclic acid possesses broad spectrum antimicrobial and antitumor activity. Terrecyclic acid induces the heat shock protein response and affects oxidative and inflammatory cellular stress response pathways. No studies of the mode of action of terrecyclic acid have been published.

References

1. Terrecyclic acid A, a new antibiotic from *Aspergillus terreus*. I. Taxonomy, production and chemical and biological properties. Nakagawa M. et al. J. Antibiot. 1982, 35, 778.
2. The anticancer activity of the fungal metabolite terrecyclic acid A is associated with modulation of multiple cellular stress response pathways. Turbyville T.J. et al. Mol. Cancer Ther. 2005, 4, 1569.

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