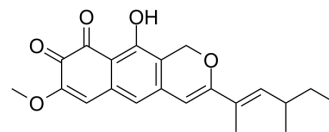


Leptosphaerodione

Cat. No.:	HY-N10332
CAS No.:	138039-33-5
Molecular Formula:	C ₂₁ H ₂₂ O ₅
Molecular Weight:	354.4
Target:	Proteasome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Leptosphaerodione, isolated from *Remotididymella* sp. Fungus, is a potent ubiquitin-proteasome system (UPS) inhibitor. Leptosphaerodione exhibits cytotoxicity in HeLa cells with IC₅₀ value of 3.2 μM. Anti-tumor agent^[1].

REFERENCES

[1]. Soichiro Nishimura, et al. Cell-based screening of extracts of natural sources to search for inhibitors of the ubiquitin-proteasome system and identification of proteasome inhibitors from the fungus *Remotididymella* sp. *Bioorg Med Chem Lett*. 2022 Mar

Caution: Product has not been fully validated for medical applications. For research use only.

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