



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

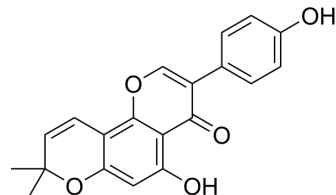
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Derrone

Cat. No.:	HY-N3737
CAS No.:	76166-59-1
Molecular Formula:	C ₂₀ H ₁₆ O ₅
Molecular Weight:	336.34
Target:	Aurora Kinase; PERK; Reactive Oxygen Species
Pathway:	Cell Cycle/DNA Damage; Epigenetics; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Derrone, a prenylated isoflavones, is an Aurora kinase inhibitor, with IC ₅₀ values of 6 and 22.3 μM against Aurora B and Aurora A, respectively. Derrone shows anti-tumor activity ^{[1][2]} .
IC ₅₀ & Target	IC ₅₀ : 6 μM (Aurora kinase B), 22.3 μM (Aurora kinase A) ^[1]
In Vitro	Derrone (30-60 μM, 15 days) significantly inhibits the formation and growth of MCF7 tumor spheroids, with the tumor spheroid growth inhibition (% TGI) of 17.5% and 65.4% for 30 and 60 μM Derrone, respectively^[1]. Derrone shows the autophagic features, such as the conversion of LC3-I to LC3-II, the formation of autophagosome and the downregulation of SQSTM1/p62 (p62)^[2]. Derrone induces autophagic cell death through intracellular ROS and sustained ERK phosphorylation in A549 cells^[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Hoang NT, et al. In Vitro Characterization of Derrone as an Aurora Kinase Inhibitor. Biol Pharm Bull. 2016 Jun 1;39(6):935-45.
- [2]. Kang MJ, et al. Derrone induces autophagic cell death through induction of ROS and ERK in A549 cells. PLoS One. 2019 Jun 19;14(6):e0218659.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA