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Lieferung & Zahlungsart

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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

PRODUCT INFORMATION

PAMAM Dendrimer G2.0 Succinamic Acid (water solution)

Item No. 39119

Synonyms: PAMAM G2.0 Succinamic Acid, Polyamidoamine Dendrimer G2.0 Succinamic Acid
FW: 4,856.0
Supplied as: A solution in water
Storage: -20°C
Stability: ≥2 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

PAMAM dendrimer G2.0 succinamic acid (PAMAM G2.0 succinamic acid) is a polyamidoamine (PAMAM) dendrimer with succinamic acid termini.[1] It has 16 surface groups. PAMAM G2.0 succinamic acid is an antagonist for the pore-forming channels anthrax toxin protective antigen 63 (PA63; IC_{50} = 879 nM) in lipid bilayers.[2] It is active against *S. aureus*.[3] PAMAM G2.0 succinamic acid inhibits plaque formation induced by Middle East respiratory syndrome coronavirus (MERS-CoV) in Vero cells when used at a concentration of 10 µM.[1]

References

1. Kandeel, M., Al-Taher, A., Park, B.K., *et al*. A pilot study of the antiviral activity of anionic and cationic polyamidoamine dendrimers against the Middle East respiratory syndrome coronavirus. *J. Med. Virol.* **92(9)**, 1665-1670 (2020).
2. Yamini, G., Kalu, N., and Nestorovich, E.M. Impact of dendrimer terminal group chemistry on blockage of the anthrax toxin channel: A single molecule study. *Toxins (Basel)* **8(11)**, 337 (2016).
3. Altaher, Y. and Kandeel, M. Structure-activity relationship of anionic and cationic polyamidoamine (PAMAM) dendrimers against *Staphylococcus aureus*. *J. Nanomater*. 4013016 (2022).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM