



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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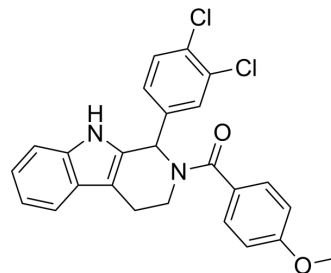
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ABCG2-IN-3

Cat. No.:	HY-119724
CAS No.:	1942919-63-2
Molecular Formula:	C ₂₅ H ₂₀ Cl ₂ N ₂ O ₂
Molecular Weight:	451.34
Target:	BCRP
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ABCG2-IN-3 (Compound 52) is a selective inhibitor for breast cancer resistance protein (ABCG2), with an IC ₅₀ of 0.238 μM. ABCG2-IN-3 reverses the ABCG2-mediated resistance toward SN-38 and inhibit the ATPase activity ^[1] .
In Vitro	ABCG2-IN-3 exhibits a cytotoxicity against cells MDCK II BCRP and MDCK wild-type, with CI ₅₀ s of 5.82 and 6.55 μM ^[1] . ABCG2-IN-3 inhibits ATPase with an IC ₅₀ of 0.038 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Spindler A, et al., Synthesis and Investigation of Tetrahydro-β-carboline Derivatives as Inhibitors of the Breast Cancer Resistance Protein (ABCG2). J Med Chem. 2016 Jul 14;59(13):6121-35.

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

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