



SZABO SCANDIC

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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

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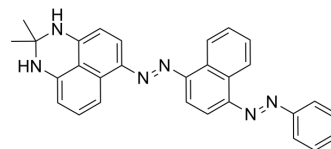
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Sudan Black B

| | |
|---------------------------|------------------------------------------------------------------------------------------------|
| Cat. No.: | HY-D0213 |
| CAS No.: | 4197-25-5 |
| Molecular Formula: | C ₂₉ H ₂₄ N ₆ |
| Molecular Weight: | 456.54 |
| Target: | Fluorescent Dye |
| Pathway: | Others |
| Storage: | 4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 1 mg/mL (2.19 mM; Need ultrasonic)
H₂O : < 0.1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)

| Solvent | Mass | Concentration | | |
|---------------------------|-------|---------------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 2.1904 mL | 10.9519 mL | 21.9039 mL |
| | 5 mM | --- | --- | --- |
| | 10 mM | --- | --- | --- |
| | | | | |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Sudan Black B, a fat-soluble diazo dye, is a histochemical stain. Sudan Black B can be used for staining of neutral triglycerides and lipids^[1].

In Vitro

Sudan Black B works also in frozen material, and therefore can be complementarily used with SA-β-gal when investigating senescence. Sudan Black B is a highly lipophilic agent that exhibits high affinity to the lipid compartment of lipofuscin. The positive Sudan Black B-lipofuscin reaction reveals blue-black intracellular granules in cells and frozen tissues and brown to black granules in FFPE tissues under the light microscope.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Konstantinos Evangelou, et al. Sudan Black B, The Specific Histochemical Stain for Lipofuscin: A Novel Method to Detect Senescent Cells. *Methods Mol Biol.* 2017;1534:111-119.

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

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