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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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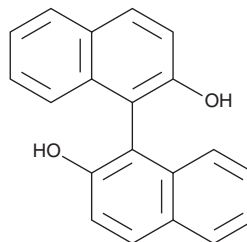
PRODUCT INFORMATION



(S)-(-)-1,1'-Bi-2-naphthol

Item No. 70052

CAS Registry No.: 18531-99-2
Formal Name: (S)-(1,1')-binaphthalene)-2,2'-diol
Synonym: (S)-BINOL
MF: C₂₀H₁₄O₃
FW: 286.3
Purity: ≥98%
UV/Vis.: λ_{max}: 227 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥4 years



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

Laboratory Procedures

(S)-(-)-1,1'-bi-2-naphthol (S-BINOL) is supplied as a crystalline solid. A stock solution may be made by dissolving the S-BINOL in an organic solvent purged with an inert gas. S-BINOL is soluble in organic solvents such as ethanol (22 mg/ml), dichloromethane (19 mg/ml), dioxane (29 mg/ml), and tetrahydrofuran (30 mg/ml).

Description

S-BINOL is a chiral auxiliary for the asymmetric reduction of 15-keto prostaglandin intermediates to 15(S)-alcohols. S-BINOL forms a complex with lithium aluminum hydride solution of ethanol. This is a versatile reagent for the asymmetric reduction of α,β-unsaturated enones at lower temperatures to the corresponding S-alcohols in ≥90% ee.

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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