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:	C ₂₀ H ₁₄ O ₃	ОН
FW:	286.3	
Purity:	≥98%	HO, /
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), dixoane (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 assymetric 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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