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DATASHEET

D-(+)-Camphoric acid

Product overview

Name	D-(+)-Camphoric acid
Cat No	HB4631
Purity	>98%
Description	Chirality inducing agent

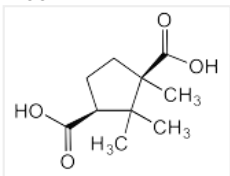
Biological Data

Biological description	Chirality inducing agent. Useful tool as resolving agent to separate the isomers and purify racemic mixtures (e.g. DL-lysine) by fractionally crystallizing the product to obtain the pure isomer (e.g. L-lysine). Can also be used as building block. Insect repellent. Stimulator of osteoblast differentiation.
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Solubility & Handling

Storage instructions	+4 °C
Storage of solutions	Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.
Shipping Conditions Important	Stable for ambient temperature shipping. Follow storage instructions on receipt. This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	(1R,3S)-1,2,2-Trimethyl-1,3-cyclo-pentenedicarboxylic acid
Molecular Weight	200.2
Chemical structure	
CAS Number	124-83-4
PubChem identifier	0
SMILES	<chem>CC1(C)[C@H](CC[C@@]1(C)C([O-])=O)C([O-])=O</chem>
InChiKey	LSPHULWDVZXLIL-LDWIPMOCSA-N
Appearance	White powder