

Product Information

D panthenol, Purity $\geq 98\%$

Cat. No.: X24-09-YM1391

Size: 100 mg; 200 mg; 500 mg; 1 g

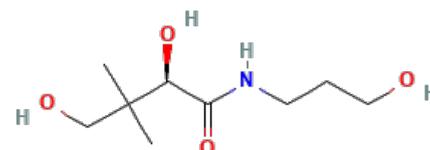
MDL: MFCD00065006

CAS Number: 81-13-0

Compound CID: 131204

Synonym: 81-13-0; Dexpanthenol;

(2*R*)-2,4-Dihydroxy-*N*-(3-hydroxypropyl)-3,3-dimethylbutanamide



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	D panthenol is an alcoholic analog of D-pantothenic acid and a cholinergic agent. The molecular weight of the compound is 205.25, and its molecular formula is C ₉ H ₁₉ NO ₄ .
Molecular Weight	205.25
Molecular Formula	C ₉ H ₁₉ NO ₄
IUPAC Name	(2 <i>R</i>)-2,4-Dihydroxy- <i>N</i> -(3-hydroxypropyl)-3,3-dimethylbutanamide
InChI	InChI=1S/C9H19NO4/c1-9(2,6-12)7(13)8(14)10-4-3-5-11/h7,11-13H,3-6H2,1-2H3,(H,10,14)/t7-/m0/s1
InChI Key	SNPLKNRPJHDVJA-ZETCQYMHSA-N
Canonical SMILES	CC(C)(CO)C(C(=O)NCCCCO)O
Isomeric SMILES	C(CC(=O)N[C@@H](CS)C(=O)NCC(=O)O)[C@@H](C(=O)O)N
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	D panthenol plays a key role in promoting skin barrier function and hydration makes it a common ingredient in topical preparations.
Storage	Store at -20°C, and keep desiccated.

