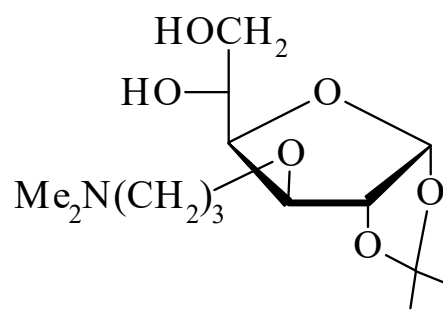




>> **Name:** Amiprilose, INN

Synonym(s): 3-*O*-[3-(Dimethylamino)propyl]-1,2-*O*-(1-methylethylidene)- α -D-glucofuranose. Therafectin. SM 1213



CAS Registry Number: 56824-20-5

Molecular Formula: $\text{C}_{14}\text{H}_{27}\text{NO}_6$

Molecular Weight: 305.37

Accurate Mass: 305.183839

Percentage Composition: C 55.07%; H 8.91%; N 4.59%; O 31.44%

Biological Use/Importance: Immunomodulator. Antiviral and antiinflammatory agent. Exhibits antipsoriatic activity. Also used against other autoimmune diseases such as arthritis, eczema and systemic lupus erythematosus

Physical Description: Viscous oil

Optical Rotation: $[\alpha]_{\text{D}} -12$ (neat)

Refractive Index: $n_{\text{D}}^{25} 1.4687$

Calculated Log P Data: Log P -1.31 (calc)

Other Data: Low toxicity and no serious side effects, but requires large therapeutic dosage

Sigma: A4687

>> **Derivative:** Hydrochloride

Synonym(s): Amiprilose hydrochloride, USAN

CAS Registry Number: 60414-06-4

Physical Description: Cryst. (MeOH)

Melting Point: Mp $181-183^\circ$

References:

- U.K. Pat., 1974, *Strategic Medical Research Corp*, 1 497 409; *CA*, **89**, 117809, (*synth, pharmacol*)
Garrett, E.R. *et al.*, *J. Pharm. Sci.*, 1982, **71**, 387; 1983, **72**, 1045, (*pharmacol, metab*)
Linhardt, R.J. *et al.*, *J. Pharm. Sci.*, 1990, **79**, 158, (*pmr, cmr, abs config*)
Young, M.R., *Prostaglandins*, 1990, **40**, 35, (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1336
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