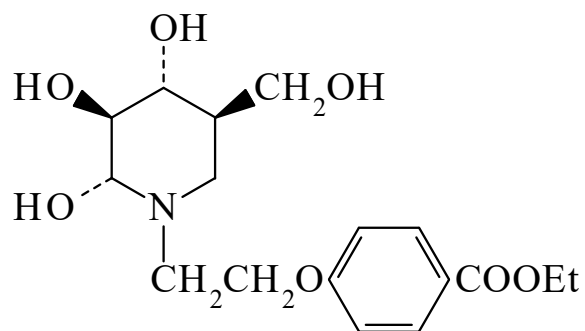




>>Entry Name: Emiglitate, BAN, INN

Synonym(s): 1,5-Dideoxy-1,5-[[2-[4-(ethoxycarbonyl)phenoxy]ethyl]imino]-D-glucitol, 9Cl. Ethyl-4-[2-[3,4,5-trihydroxy-2-(hydroxymethyl)piperidino]ethoxy]benzoate. Bay o 1248



CAS Registry Number: 80879-63-6

Type of Compound Code(s): XA1640

Molecular Formula: C₁₇H₂₅NO₇

Molecular Weight: 355.387

Accurate Mass: 355.163104

Percentage Composition: C 57.45%; H 7.09%; N 3.94%; O 31.51%

Use/Importance: α -Glucosidase inhibitor; antidiabetic agent

Calculated Log P Data: Log P -0.43 (calc)

References:

- Cauderay, M. *et al.*, *Metab., Clin. Exp.*, 1986, **35**, 472, (*pharmacol*)
Kennedy, F.P. *et al.*, *Clin. Exp. Pharmacol. Physiol.*, 1987, **14**, 633
Lembcke, B. *et al.*, *Gut*, 1987, **28**, 181
Bollen, M. *et al.*, *Biochem. Pharmacol.*, 1988, **37**, 905, (*pharmacol*)
Lembcke, B. *et al.*, *Eur. J. Clin. Pharmacol.*, 1991, **41**, 561, (*pharmacol, human*)
Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 279