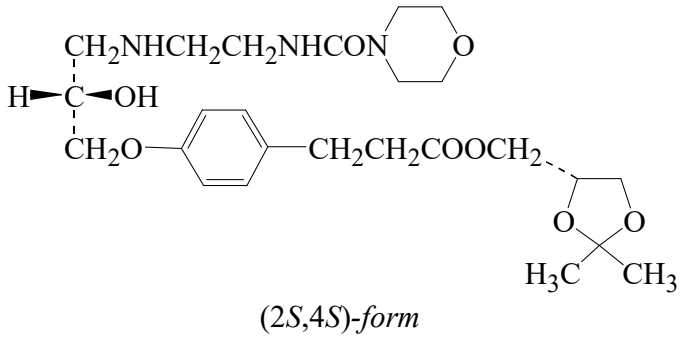
>>**Entry Name: Landiolol,** INN
Synonym(s): (2,2-Dimethyl-1,3-dioxolan-4-yl)methyl 4-[2-hydroxy-3-[[2-[(4-morpholinylcarbonyl)amino]ethyl]amino]propoxy]benzenepropanoate, 9CI. ONO 1101



(2*S*,4*S*)-*form*

CAS Registry Number: 133242-62-3
Related CAS Registry Numbers(s): 133242-32-7 133242-33-8 133276-51-4

Molecular Formula: $C_{25}H_{39}N_3O_8$
Molecular Weight: 509.598
Accurate Mass: 509.273717
Percentage Composition: C 58.92%; H 7.71%; N 8.25%; O 25.12%
Biological Use/Importance: Cardioselective ultra short-acting (3-4 min half life) β-adrenoceptor antagonist
Other Data: Other isomers synth; characterised spectroscopically

>>**Variant:** (2*S*,4*S*)-form

CAS Registry Number: 133242-30-5
Molecular Formula: $C_{25}H_{39}N_3O_8$
Molecular Weight: 509.598
Accurate Mass: 509.273717
Percentage Composition: C 58.92%; H 7.71%; N 8.25%; O 25.12%
Other Data: Pharmacol active isomer

>>**Derivative:** Hydrochloride

CAS Registry Number: 144481-98-1
Melting Point: Mp 125°

References:

Eur. Pat., 1990, *Ono*, 397031; *CA*, **114**, 185522k, *(synth, pharmacol)*
Iguchi, S. *et al.*, *Chem. Pharm. Bull.*, 1992, **40**, 1462-1469, *(synth, pmr, cmr, pharmacol)*
Muraki, K. *et al.*, *J. Pharmacol. Exp. Ther.*, 1996, **278**, 555-563, *(pharmacol)*
Kitamura, A. *et al.*, *Eur. J. Clin. Pharmacol.*, 1997, **51**, 467-471, *(pharmacol)*

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