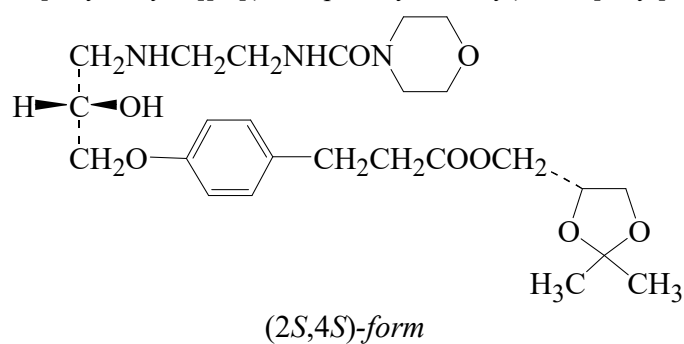




>>Entry Name: Landiolol, INN

Synonym(s): (2,2-Dimethyl-1,3-dioxolan-4-yl)methyl 4-[2-hydroxy-3-[[2-[(4-morpholinylcarbonyl)amino]ethyl]amino]propoxy]benzenepropanoate, 9Cl. ONO 1101



CAS Registry Number: 133242-62-3

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

Molecular Formula: C<sub>25</sub>H<sub>39</sub>N<sub>3</sub>O<sub>8</sub>

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: Cardioslective ultra short-acting (3-4 min half life) β-adrenoceptor antagonist

Other Data: Other isomers synth; characterised spectroscopically

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

CAS Registry Number: 133242-30-5

Molecular Formula: C<sub>25</sub>H<sub>39</sub>N<sub>3</sub>O<sub>8</sub>

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*)