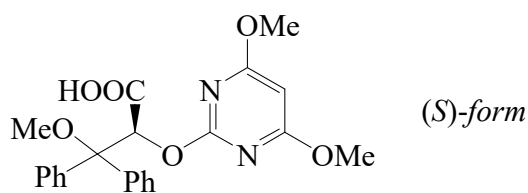




>>Entry Name: Darusentan, INN

Synonym(s): α -[(4,6-Dimethoxy-2-pyrimidinyl)oxy]- β -methoxy- β -phenylbenzenepropanoic acid, 9Cl. 2-[(4,6-Dimethoxypyrimidin-2-yl)oxy]-3-methoxy-3,3-diphenylpropionic acid. LU 127043



CAS Registry Number: 178306-46-2

Related CAS Registry Numbers(s): 178306-57-5

Molecular Formula: $C_{22}H_{22}N_2O_6$

Molecular Weight: 410.426

Accurate Mass: 410.147788

Percentage Composition: C 64.38%; H 5.40%; N 6.83%; O 23.39%

Biological Use/Importance: Endothelin ET_A -receptor antagonist

>>Variant: (S)-form

Synonym(s): LU 135252

CAS Registry Number: 171714-84-4

Molecular Formula: $C_{22}H_{22}N_2O_6$

Molecular Weight: 410.426

Accurate Mass: 410.147788

Percentage Composition: C 64.38%; H 5.40%; N 6.83%; O 23.39%

Other Data: Pharmacol. active isomer

>>Variant: ($\pm$)-form

Molecular Formula: $C_{22}H_{22}N_2O_6$

Molecular Weight: 410.426

Accurate Mass: 410.147788

Percentage Composition: C 64.38%; H 5.40%; N 6.83%; O 23.39%

Physical Description: Solid

Melting Point: Mp 165-168°

References:

Raschack, M. *et al.*, *J. Cardiovasc. Pharmacol.*, Suppl. 3, 1995, **26**, S397-S399, (pharmacol)

Ger. Pat., 1996, BASF, 19 533 023; *CA*, **125**, 58534t, (synth, pharmacol)

Riechers, H. *et al.*, *J. Med. Chem.*, 1996, **39**, 2123-2128, (synth, pmr, pharmacol)

Prie, S. *et al.*, *J. Pharmacol. Exp. Ther.*, 1997, **282**, 1312-1318, (pharmacol)

Jansen, R. *et al.*, *Org. Process Res. Dev.*, 2001, **5**, 16-22, (synth)