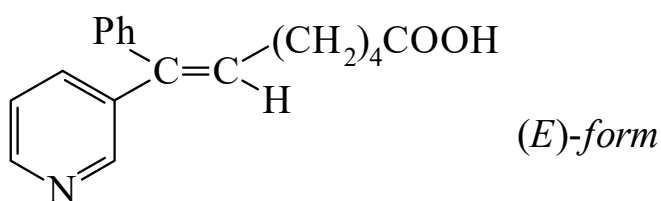




>>Entry Name: Isbogrel, INN

Synonym(s): 7-Phenyl-7-(3-pyridinyl)-6-heptenoic acid, 9Cl. Pinogrel. CV 4151



CAS Registry Number: 93943-87-4

Molecular Formula: C₁₈H₁₉NO₂

Molecular Weight: 281.354

Accurate Mass: 281.141579

Percentage Composition: C 76.84%; H 6.81%; N 4.98%; O 11.37%

Use/Importance: Thromboxane A₂ synthetase inhibitor. Antianginal, antithrombotic agent

Calculated Log P Data: Log P 3.47 (calc)

Other Data: The name Isbogrel refers to the (E)-form

>>Variant: (E)-form

CAS Registry Number: 89667-40-3

Molecular Formula: C₁₈H₁₉NO₂

Molecular Weight: 281.354

Accurate Mass: 281.141579

Percentage Composition: C 76.84%; H 6.81%; N 4.98%; O 11.37%

Melting Point: Mp 114-115°

Other Data: Pharmacol. active isomer

>>Variant: (Z)-form

CAS Registry Number: 89667-39-0

Molecular Formula: C₁₈H₁₉NO₂

Molecular Weight: 281.354

Accurate Mass: 281.141579

Percentage Composition: C 76.84%; H 6.81%; N 4.98%; O 11.37%

Melting Point: Mp 93-94°

References:

Kato, K. *et al.*, *J. Med. Chem.*, 1985, **28**, 287, (*synth*)

Imamoto, T. *et al.*, *J. Cardiovasc. Pharmacol.*, 1986, **8**, 832, (*pharmacol*)

Terashita, Z. *et al.*, *Thromb. Res.*, 1986, **41**, 223, (*pharmacol*)

Kuzuya, T. *et al.*, *Cardiovasc. Drug Ther.*, 1988, **2**, 693, (*pharmacokinet*)

Imura, Y. *et al.*, *Eur. J. Pharmacol.*, 1988, **147**, 359, (*pharmacol*)