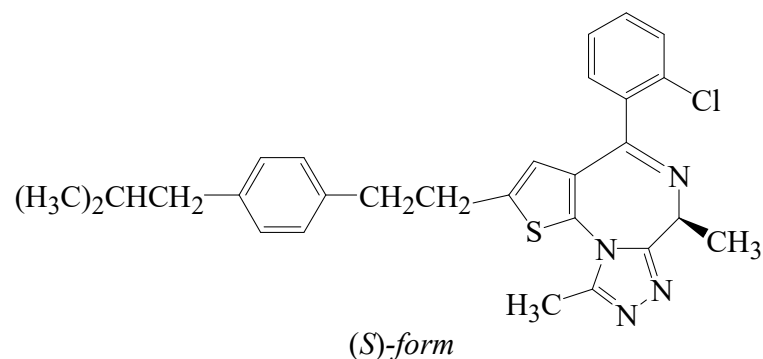




>>Entry Name: Israpafant, INN

Synonym(s): 4-(2-Chlorophenyl)-6,9-dimethyl-2-[2-[4-(2-methylpropyl)phenyl]ethyl]-6*H*-thieno[3,2-*f*][1,2,4]triazolo[4,3-*a*][1,4]diazepine, 9Cl. Y 24180



CAS Registry Number: 117279-73-9

Related CAS Registry Numbers(s): 136624-40-3 142415-73-4 142415-76-7

Molecular Formula: C₂₈H₂₉ClN₄S

Molecular Weight: 489.083

Accurate Mass: 488.180143

Percentage Composition: C 68.76%; H 5.98%; Cl 7.25%; N 11.46%; S 6.56%

Biological Use/Importance: PAF antagonist. Antiasthmatic, antiinflammatory agent

>>Variant: (*S*)-form

CAS Registry Number: 136624-39-0

Molecular Formula: C₂₈H₂₉ClN₄S

Molecular Weight: 489.083

Accurate Mass: 488.180143

Percentage Composition: C 68.76%; H 5.98%; Cl 7.25%; N 11.46%; S 6.56%

Optical Rotation: $[\alpha]_{\text{D}}^{20} -77.6$ (c, 3.8 in MeOH)

Other Data: Pharmacol. active isomer

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

CAS Registry Number: 153321-72-3

Molecular Formula: C₂₈H₂₉ClN₄S

Molecular Weight: 489.083

Accurate Mass: 488.180143

Percentage Composition: C 68.76%; H 5.98%; Cl 7.25%; N 11.46%; S 6.56%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 129.5-131.5°

References:

Eur. Pat., 1988, Yoshitomi, 268 242; *CA*, **109**, 211096t, (*synth, pharmacol*)

Terasawa, M. *et al.*, *Prostaglandins*, 1990, **40**, 553-569; 571-583, (*pharmacol*)

Canadian Pat., 1991, Boehringer Ingelheim, 2 027 076; *CA*, **115**, 183377p, (*isomers, synth, pharmacol*)

Okamoto, H. *et al.*, *Agents Actions*, 1992, **35**, 149-158, (*pharmacol*)

Kawakami, Y. *et al.*, *Eur. J. Med. Chem. (Chim. Ther.)*, 1996, **31**, 683-692, (*synth, pharmacol, sar*)

Kagoshima, M. *et al.*, *Pharmacology*, 1997, **54**, 1-7; 261-270, (*pharmacol*)