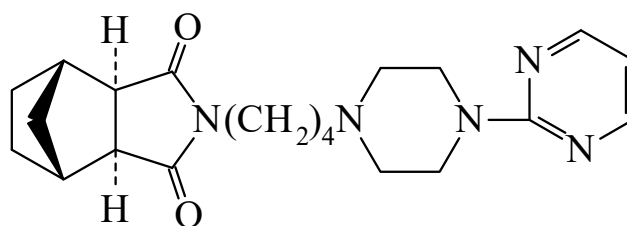




>>Entry Name: Tandospirone, BAN, INN

Synonym(s): Hexahydro-2-[4-[4-(2-pyrimidinyl)-1-piperazinyl]butyl]-4,7-methano-1*H*-isoindole-1,3(2*H*)-dione, 9Cl. Metanopirone. Sediol. SM 3997



CAS Registry Number: 87760-53-0

Related CAS Registry Numbers(s): 103066-39-3

Molecular Formula: C₂₁H₂₉N₅O₂

Molecular Weight: 383.492

Accurate Mass: 383.232125

Percentage Composition: C 65.77%; H 7.62%; N 18.26%; O 8.34%

Use/Importance: Selective anxiolytic agent. 5-HT_{1A} receptor partial agonist. Stimulates prolactin secretion

Physical Description: Cryst. (toluene/hexane)

Development Status: Launched 1996 (Japan) (Sumitomo)

Melting Point: Mp 112-113.5°

Calculated Log P Data: Log P 1.68 (uncertain value) (calc)

>>Derivative: Hydrochloride

Melting Point: Mp 227-229°

>>Derivative: Citrate salt

Synonym(s): Tandospirone citrate, USAN

CAS Registry Number: 112457-95-1

Melting Point: Mp 169.5-170°

References:

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Seymour, P.A. *et al.*, *Prog. Clin. Biol. Res.*, 1990, **361**, 453, (*rev*)
Ishizumi, K. *et al.*, *Chem. Pharm. Bull.*, 1991, **39**, 2288, (*synth, ir, ms, pmr*)
Godbout, R. *et al.*, *Neuropharmacology*, 1991, **30**, 679, (*pharmacol*)
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