Thioridazine (hydrochloride)

Item No. 14400

CAS Registry No.: 130-61-0
Formal Name: 10-[2-(1-methyl-2-piperidinyl)ethyl]-2-(methylthio)-10H-phenothiazine, hydrochloride
Synonyms: Aldazine, Mellaril
MF: C21H26N2S2 • HCl
FW: 407.0
Purity: ≥ 98%
Stability: ≥ 2 years at -20°C
Supplied as: A crystalline solid

Thioridazine (hydrochloride) is a conventional, or typical, antipsychotic drug that potently activates several neuroreceptors, including serotonin (K_i = 10, 60, and 57 nM for 5-HT_2A, 5-HT_2C, and 5-HT_6, respectively), dopamine D_2 (K_i = 11 nM), and adrenergic α_1A (K_i = 5 nM) receptors. In addition to its use in neurological disorders, thioridazine has efficacy in drug resistant tuberculosis.1

References
2. Seeman, P., Corbett, R., and Van Tol, H.H. Atypical neuroleptics have low affinity for dopamine D2 receptors or are selective for D4 receptors. Neuropsychopharmacology 16(2), 93-110 (1997).

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