Product Data Sheet

Product Name: Paroxetine hydrochloride

CAS No.: 78246-49-8
Cat. No.: HY-B0492
MWT: 365.83
Formula: C19H21ClFNO3
Purity: >98%

Solubility: >250 mg/mL in DMSO; < 2 mg/mL in H2O

Mechanisms:
Pathways: Neuronal Signaling; Target: SSRIs

Biological Activity:
Paroxetine Hydrochloride is an antidepressant agent known as selective serotonin-reuptake inhibitors (SSRIs).

Target: SSRIs

Paroxetine is a potent and highly selective inhibitor of neuronal serotonin reuptake. Paroxetine likely inhibits the reuptake of serotonin at the neuronal membrane, enhances serotonergic neurotransmission by reducing turnover of the neurotransmitter, therefore it prolongs its activity at synaptic receptor sites and potentiates 5-HT in the CNS [1]. Paroxetine produced a significantly greater reduction in LSAS total score (mean change from baseline: -29.4 v. -15.6; P < 0.001) and a greater proportion of responders (score < or = 2 on CGI global improvement) (65.7% v. 32.4%; P < 0.001) compared with placebo at the end of the 12-week study period. Both primary efficacy variables were statistically significant compared with placebo from week 4 onwa...

References:

Caution: Not fully tested. For research purposes only

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