Cyclobenzaprine (hydrochloride)

Item No. 15885

CAS Registry No.: 6202-23-9
Formal Name: 3-(5H-dibenzo[a,d]cyclohepten-5-ylidene)-N,N-dimethyl-1-propanamine, monohydrochloride
Synonyms: Flexeril®, Lisseril, MK-130
MF: C_{20}H_{21}N • HCl
FW: 311.9
Purity: ≥98%
Stability: ≥2 year at -20°C
Supplied as: A crystalline solid
UV/Vis.: \( \lambda_{\text{max}}: 226, 291 \text{ nm} \)

Description

Cyclobenzaprine is a skeletal muscle relaxant that also has sedative properties.\(^1-3\) It has been shown to antagonize muscarinic receptors (K\(_{50}\) = 25, 60, and 6 nM for M\(_1\), M\(_2\), and M\(_3\), respectively), serotonin 5-HT\(_2\) receptors (K\(_{50}\) = 56 and 330 nM for 5-HT\(_{2C}\) and 5-HT\(_{2B}\), respectively), and histamine H\(_1\) receptor (IC\(_{50}\) = 20 nM).\(^4-6\)

References