



LKT Laboratories, Inc.

Buspirone Hydrochloride

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Product Information

Product ID B8274

CAS No. 33386-08-2

Chemical Name 8-[4-[4-(2-Pyrimidinyl)=1-piperazinyl]butyl]-8-azaspiro[4.5]decane
-7,9-dione hydrochloride

Synonym Anisal, Axoren, Bespar, Buspinol, Narol

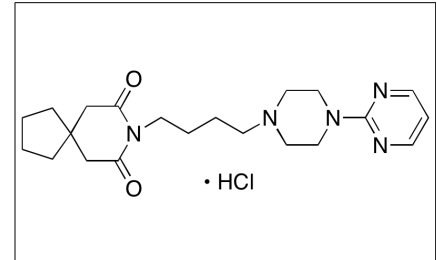
Formula C₂₁H₃₁N₅O₂ · HCl

Formula Wt. 421.97

Melting Point 201.5-202.5 °C

Purity ≥98%

Solubility Soluble in water.



Bulk quantities available upon request

| Product ID | Size |
|------------|------|
| B8274 | 1 g |
| B8274 | 5 g |

Store Temp 4 °C

Ship Temp Ambient

Description Buspirone is an azapirone anxiolytic that acts as a partial agonist at 5-HT_{1A} receptors and α₁-adrenergic receptors and an antagonist at D_{2/3/4} receptors. Buspirone is clinically used to treat anxiety. In animal models, buspirone inhibits MMPP-induced enhancements in memory acquisition and formation.

References Navarrete A, Flores-Machorro FX, Téllez-Ballesteros RI, et al. Study on action mechanism of 1-(4-methoxy-2-methylphenyl) piperazine (MMPP) in acquisition, formation, and consolidation of memory in mice. *Drug Dev Res.* 2014 Mar;75(2):59-67. PMID: 24648132.

Loane C, Politis M. Buspirone: what is it all about? *Brain Res.* 2012 Jun 21;1461:111-8. PMID: 22608068.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.