PRODUCT INFORMATION

Lorcaserin (hydrochloride)
Item No. 15521

CAS Registry No.: 846589-98-8
Formal Name: 8-chloro-2,3,4,5-tetrahydro-1R-methyl-1H-3-
benzazepine, monohydrochloride
Synonyms: APD356, Belviq®
MF: C11H14ClN • HCl
FW: 232.2
Purity: ≥95%
Stability: ≥2 years at -20°C
Supplied as: A neat solid

Description

Lorcaserin is a full agonist of serotonin 5-HT\textsubscript{2C} receptors (K\textsubscript{i} = 15 and 29 nM for human and rat, respectively).\textsuperscript{1} In functional assays it demonstrates 18- and 104-fold selectivity over 5-HT\textsubscript{2A} and 5-HT\textsubscript{2B} receptors, respectively.\textsuperscript{1} Chronic daily treatment with lorcaserin (ED\textsubscript{50} = 18 mg/kg, 6 hours post dosing) has been reported to reduce food intake and body weight gain in rodents fed a high fat diet.\textsuperscript{1,2} Before approving it for use in the treatment of obesity, the FDA has classified lorcaserin as a Schedule IV controlled substance.\textsuperscript{3}

This product is a qualified Reference Material (RM) that has been manufactured and tested to meet ISO17025 and Guide 34 guidelines. These materials are tested using validated analytical methods on qualified instrumentation to ensure traceability of measurements. All traceable RMs may be distinguished by their CofAs and can be downloaded using the batch number located on the product label. For a representative CofA please contact our technical support.

References