

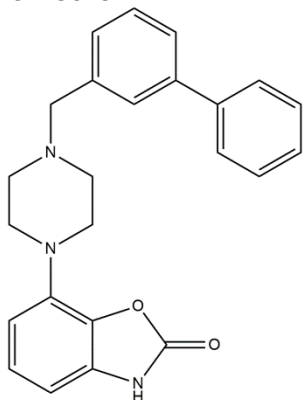
Bifeprunox

10/19

ALTERNATE NAMES: Bifeprunoxum; 7-[4-[(3-phenylphenyl)methyl]piperazin-1-yl]-3H-1,3-benzoxazol-2-one; 7-[4-([1,1'-biphenyl]-3-ylmethyl)-1-piperazinyl]-2(3h)-benzoxazolone

CATALOG #: B2921-5 5 mg
B2921-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₄H₂₃N₃O₂

MOLECULAR WEIGHT: 385.46

CAS NUMBER: 350992-10-8

APPEARANCE: Solid

PURITY: 97%

SOLUBILITY: Soluble in DMSO

DESCRIPTION: Bifeprunox shows positive effects in treating psychotic symptoms in schizophrenia. It is a third-generation antipsychotic agent which acts as a partial agonist at dopamine D2 receptors and is an efficacious agonist at serotonin 5-HT_{1A} receptors. It shows little interaction at 5HT(2A/2C), muscarinic or histaminergic H₁ receptors.

STORAGE TEMPERATURE: -20°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCES:

1. Feenstra, R.W., de Moes, J., Hofma, J.J., et al. New 1-aryl-4-(biaryl)methylene)piperazines as potential atypical antipsychotics sharing dopamine D(2)-receptor and serotonin 5-HT(1A)-receptor affinities. *Bioorg Med Chem Lett.* 11(17):2345-9 (2001).
2. Newman-Tancredi, A., Cussac, D., Depoortere, R. Neuropharmacological profile of bifeprunox: merits and limitations in comparison with other third-generation antipsychotics. *Curr Opin Investig Drugs.* 8(7):539-54 (2007).

RELATED PRODUCTS:

Pimozide (Cat. No. 1887)
 Sertraline (hydrochloride) (Cat. No. B2393)
 Apomorphine Hydrochloride Hemihydrate (Cat. No. B1541)
 Bromocriptine (mesylate) (Cat. No. 2916)
 Aripiprazole (Cat. No. B1186)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*