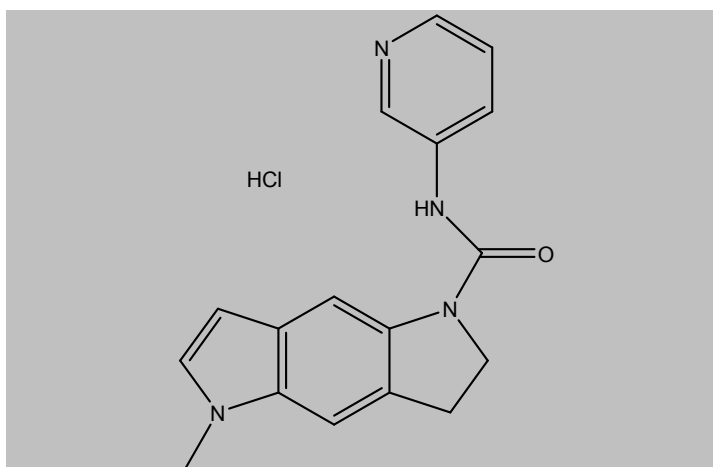


Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 07/04/2014
COA Revision Date: 07/04/2017

Product: SB 206553 hydrochloride
Cat. No: BN0666
Batch No: 0666BN/02
Chemical Name: 3,5-Dihydro-5-methyl-*N*-3-pyridinylbenzo[1,2-*b*:4,5-*b'*]dipyrrole-1(2*H*)-carboxamide hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₆N₄O .HCl
Batch Molecular Weight: 328.80
CAS No: [158942-04-2]
Physical Appearance: Yellow solid
Melting Point: 250 - 252° C
Solubility: Soluble to 10 mM in DMSO or to 5 mM in water
Storage: Desiccate at RT
Batch Molecular Structure:

**Product Description:**

Selective and potent 5-HT_{2B/2C} receptor antagonist (pA₂ value = 8.89 at rat 5-HT_{2B} receptors, pK_i value = 7.92 at human 5-HT_{2C} receptors). It is orally active and shows > 80-fold selectivity over all other 5-HT receptor subtypes and a variety of other receptors (K_i > 1 μM). Recently it has been described as a potent positive allosteric modulator of the α7 nicotinic acetylcholine receptor.

References:

1. Forbes et al. (1995) J Med Chem 38:2524; 2. Kennett et al. (1996) Br J Pharmacol 117:427; 3. Porrás et al. (2002) Neuropsychopharmacology 26:311; 4. Dunlop et al. (2009) J Pharmacol Exp Ther 328:766

- CAUTION - Not fully tested. For Research use only. Not for human use. -



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BN0666 SB 206553 hydrochloride

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: HPLC Assay: > 98.8% (complies).

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