



>>Entry Name: *N*-[2-[4-(2-Methoxyphenyl)-1-piperazinyl]ethyl]-*N*-2-pyridinylcyclohexanecarboxamide, 9Cl

Synonym(s): WAY 100635

CAS Registry Number: 162760-96-5

Related CAS Registry Numbers(s): 146715-27-7 158238-18-7

Molecular Formula: C₂₅H₃₄N₄O₂

Molecular Weight: 422.569

Accurate Mass: 422.268176

Percentage Composition: C 71.06%; H 8.11%; N 13.26%; O 7.57%

Biological Use/Importance: 5-HT_{1A} receptor antagonist. Radioligands used for studies of 5-HT_{1A} receptors *in vivo* with positron emission tomography (PET)

>>Derivative: Hydrochloride (1:3)

CAS Registry Number: 146714-97-8

Melting Point: Mp 165-172° (dec.)

References:

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Zhuang, Z.-P. *et al.*, *J. Med. Chem.*, 1994, **37**, 1406-1407, (*synth, pharmacol*)
Pike, V.W. *et al.*, *Dev. Nucl. Med.*, 1995, **26**, 93-108, (*C-11 radioligand*)
Forster, E.A. *et al.*, *Eur. J. Pharmacol.*, 1995, **281**, 81-88, (*pharmacol*)
Khawaja, X. *et al.*, *J. Neurochem.*, 1995, **64**, 2716-2726, (*H-3 compd*)
Mundey, M.K. *et al.*, *Br. J. Pharmacol.*, 1996, **117**, 750-756, (*pharmacol*)
Fornal, C.A. *et al.*, *J. Pharmacol. Exp. Ther.*, 1996, **278**, 752-762, (*pharmacol*)