

Catalogue Number	Product	Order number / Unit
------------------	---------	---------------------

4500 Norbinaltorphimine dihydrochloride

4500.0010: 10 mg per vial
Please inquire for customized filling and bulk quantities.

Highly selective kappa opioid receptor antagonist

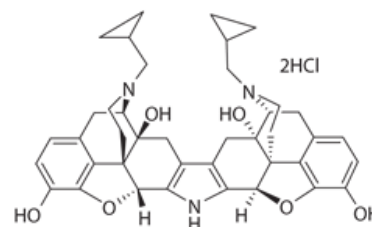
Molar Mass: 734.71

C₄₀H₄₃N₃O₆ · 2 HCl

[113158-34-2]

Norbinaltorphimine free base: [105618-26-6]

Tan solid packaged in dark glass screw cap vials.



Purity: > 95 %

Certificates:

CoA; ¹H NMR spectrum

Chemical Name:

4,8:11,15-Dimethano-20H-bisbenzofuro[2,3-a:3',2'-i]dipyrido[4,3-b:3',4'-h]carbazole-1,8a,10a,18-tetrol, 7,12-bis(cyclopropylmethyl)-5,6,7,8,9,10,11,12,13,14,19a,20b-dodecahydro-, hydrochloride (1:2), (4bS,8R,8aS,10aS,11R,14aS,19aR,20bR)-; 4,8:11,15-Dimethano-20H-bisbenzofuro[2,3-a:3',2'-i]dipyrido[4,3-b:3',4'-h]carbazole-1,8a,10a,18-tetrol, 7,12-bis(cyclopropylmethyl)-5,6,7,8,9,10,11,12,13,14,19a,20b-dodecahydro-, dihydrochloride, [8R-(4bS*,8α,8aβ,10α,11β,14aS*,19α,20bβ)]-; 4,8:11,15-Dimethano-20H-bisbenzofuro[2,3-a:3',2'-i]dipyrido[4,3-b:3',4'-h]carbazole-1,8a,10a,18-tetrol, 7,12-bis(cyclopropylmethyl)-5,6,7,8,9,10,11,12,13,14,19a,20b-dodecahydro-, dihydrochloride, (4bS,8R,8aS,10aS,11R,14aS,19aR,20bR)-

Synonymes:

4,8:11,15-Dimethano-20H-bisbenzofuro[2,3-a:3',2'-i]dipyrido[4,3-b:3',4'-h]carbazole-1,8a,10a,18-tetrol, 7,12-bis(cyclopropylmethyl)-5,6,7,8,9,10,11,12,13,14,19a,20b-dodecahydro-, (4bS,8R,8aS,10aS,11R,14aS,19aR,20bR), dihydrochloride salt; NorBNI; N-Desmethylbinaltorphimine; N-Demethylbinaltorphimine dihydrochloride

Literature:

- Portoghese P.S. et al. Binaltorphimine and nor-binaltorphimine, potent and selective kappa-opioid receptor antagonists. *Life Sci.* 1987, 40, 1287-1292.
- Takemori A.E. et al. Nor-binaltorphimine, a highly selective kappa-opioid antagonist in analgesic and receptor binding assays. *J. Pharmacol. Exp. Ther.* 1988, 246, 255-258.
- Lambert P.D. et al. The effect of central blockade of kappa-opioid receptors on neuropeptide Y-induced feeding in the rat. *Brain Res.* 1993, 629, 146-148.