

Product Name	: Enadoline
Synonyms	: Cl 977; PD 129290
Cat No.	: M10988
CAS Number	: 124378-77-4
Molecular Formula	: C ₂₄ H ₃₂ N ₂ O ₃
Formula Weight	: 396.53
Chemical Name	: 2-(1-benzofuran-4-yl)-N-methyl-N-[(5R,7S,8S)-7-pyrrolidin-1-yl-1-oxaspiro[4.5]decan-8-yl]acetamide
Description	: Enadoline (Cl 977; PD 129290) is a potent, selective κ-opioid receptor (KOR) agonist with K _i of 0.11 nM, binding with high affinity to [³ H]-U69593-labelled kappa-sites; produces a potent inhibition of the electrically-evoked contractions of the guinea-pig ileum and rabbit vas deferens with IC ₅₀ values of 0.087 nM and 3.3 nM, respectively; is effective in reducing infarction in a model of focal cerebral ischaemia. Pain Phase 2 Discontinued
Pathway	: Endocrinology/Hormones
Target	: Opioid Receptor
Receptor	: Opioid Receptor
Solubility	: —
SMILES	: CN(C1CCC2(CCCO2)CC1N3CCCC3)C(=O)CC4=C5C=COC5=CC=C4
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Hunter JC, et al. Br J Pharmacol. 1990 Sep;101(1):183-9. | 2. Singh L, et al. Eur J Pharmacol. 1990 Dec 4;191(3):477-80. | 3. Kusumoto K, et al. Brain Res. 1992 Mar 27;576(1):147-51.

