

Product Name: GW 1929 hydrochloride

Catalog No.: 1664

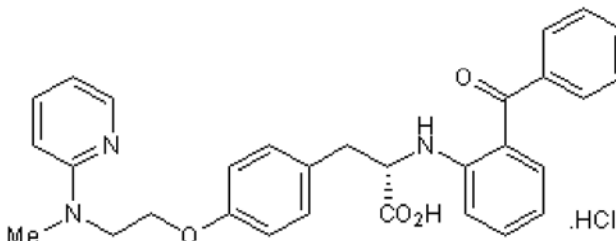
Batch No.: 5

CAS Number: 1217466-21-1

IUPAC Name: *N*-(2-Benzoylphenyl)-*O*-[2-(methyl-2-pyridinylamino)ethyl]-*L*-tyrosine hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₃₀ H ₂₉ N ₃ O ₄ .HCl.1½H ₂ O
Batch Molecular Weight:	559.05
Physical Appearance:	Yellow solid
Solubility:	ethanol to 100 mM with gentle warming DMSO to 100 mM water to 50 mM
Storage:	Desiccate at +4°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

TLC:	R _f = 0.25 (Dichloromethane:Methanol [9:1])
HPLC:	Shows 99.3% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure
Microanalysis:	

	Carbon	Hydrogen	Nitrogen
Theoretical	64.45	5.95	7.52
Found	64.28	5.89	7.35

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Name: GW 1929 hydrochloride

Catalog No.: 1664

Batch No.: 5

CAS Number: 1217466-21-1

IUPAC Name: N-(2-Benzoylphenyl)-O-[2-(methyl-2-pyridinylamino)ethyl]-L-tyrosine hydrochloride

Description:

Highly selective orally active peroxisome proliferator-activated receptor (PPAR) γ agonist (pEC₅₀ values are 8.05, < 4 and < 4 for human PPAR γ , PPAR α and PPAR δ receptors respectively). Decreases glucose, fatty acid and triglyceride levels following oral administration in vivo.

Physical and Chemical Properties:

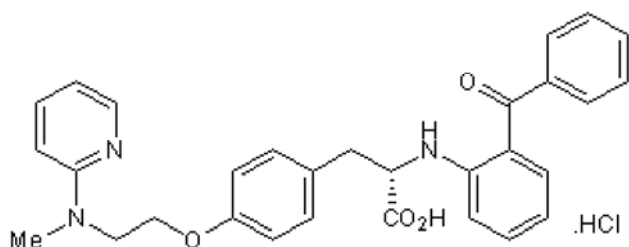
Batch Molecular Formula: C₃₀H₂₉N₃O₄.HCl.1½H₂O

Batch Molecular Weight: 559.05

Physical Appearance: Yellow solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Desiccate at +4°C

Solubility & Usage Info:

ethanol to 100 mM with gentle warming

DMSO to 100 mM

water to 50 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Licensing Information:

Sold for research purposes under agreement from GlaxoSmithKline

References:

Nugent et al (2001) Potentiation of glucose uptake in 3T3-L1 adipocytes by PPAR γ agonists is maintained in cells expressing a PPAR γ dominant-negative mutant: evidence for selectivity in the downstream responses to PPAR γ activation. *Mol.Endocrinol.* **15** 1729. PMID: 11579205.

Way et al (2001) Adipose tissue resistin expression is severely suppressed in obesity and stimulated by peroxisome proliferator-activated receptor γ agonists. *J.Biol.Chem.* **276** 25651. PMID: 11373275.

Brown et al (1999) A novel N-aryl tyrosine activator of peroxisome proliferator-activated receptor- γ reverses the diabetic phenotype of the Zucker diabetic fatty rat. *Diabetes* **48** 1415. PMID: 10389847.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956