

Certificate of Analysis

Product Name: WAY 252623

Catalog No.: 5951

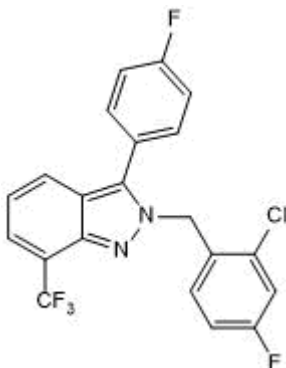
Batch No.: 1

CAS Number: 875787-07-8

IUPAC Name: 2-[(2-Chloro-4-fluorophenyl)methyl]-3-(4-fluorophenyl)-7-(trifluoromethyl)-2*H*-indazole

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₁H₁₂ClF₅N₂
Batch Molecular Weight: 422.78
Physical Appearance: White solid
Solubility: DMSO to 100 mM
ethanol to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows >99.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	59.66	2.86	6.63
Found	59.61	2.92	6.62

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

Product Name: WAY 252623

Catalog No.: 5951

Batch No.: 1

CAS Number: 875787-07-8

IUPAC Name: 2-[(2-Chloro-4-fluorophenyl)methyl]-3-(4-fluorophenyl)-7-(trifluoromethyl)-2H-indazole

Description:

Potent LXR agonist (IC₅₀ values are 24 and 179 for LXRβ and LXRα, respectively). Reduces total serum cholesterol and LDL cholesterol and inhibits lesion growth in models of atherosclerosis. Increases ABCA1 and ABCG1 mRNA levels in rat peripheral blood cells. Orally bioavailable.

Physical and Chemical Properties:

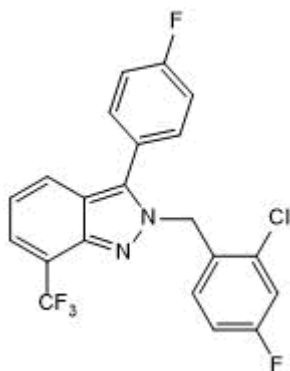
Batch Molecular Formula: C₂₁H₁₂ClF₅N₂

Batch Molecular Weight: 422.78

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Quinet et al (2009) LXR ligand lowers LDL cholesterol in primates, is lipid neutral in hamster, and reduces atherosclerosis in mouse. *J.Lipid Res.* **50** 2358. PMID: 19318684.

DiBlasio-Smith et al (2008) Discovery and implementation of transcriptional biomarkers of synthetic LXR agonists in peripheral blood cells. *J.Transl.Med.* **6**. PMID: 18925943.

Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM
ethanol to 100 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.

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