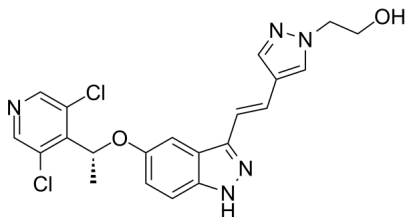


## Certificate of Analysis

Catalog Number	BP10296
Product Name	LY2874455

## Physical and Chemical Properties

Synonyms	LY-2874455, LY 2874455
CAS No.	1254473-64-7
Chemical Formula	C <sub>21</sub> H <sub>19</sub> Cl <sub>2</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight	444.32
Solubility	DMSO: 82 mg/mL (184.6 mM) Ethanol: 53 mg/mL (119.3 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of LY2874455 is shown. It features a central benzene ring with a chlorine atom at the 2-position and a 2-chloro-5-pyridyl group at the 4-position. The benzene ring is also substituted with a 1H-indazole-3-yl group at the 1-position and a 2-(2-hydroxyethyl)-1H-imidazole-4-yl group at the 3-position. The structure is drawn with stereochemistry indicating a specific enantiomer.</p>

## Product Information

Description	LY2874455 has been used in trials studying the treatment of Advanced Cancer.
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Targets&IC50	FGFR4: 6 nM, FGFR3: 6.4 nM, FGFR1: 2.8 nM, FGFR2: 2.6 nM, VEGFR2: 7 nM
In vitro	Cells (2,000 per well) are first grown in RPMI for 6 hours and treated with LY2874455 at 37 °C for 3 days. The cells are stained at 37°C for 4 hours and then solubilized at 37°C for 1 hour. Finally, the plate is read at 570 nm using a plate reader (Spectra Max Gemini XS). (Only for Reference)

## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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