

Certificate of Analysis

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Product Name: LUF 6283

Catalog No.: 4881

Batch No.: 1

CAS Number: 92933-48-7

IUPAC Name: 5-Butyl-1*H*-pyrazole-3-carboxylic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₈H₁₂N₂O₂·0.2H₂O

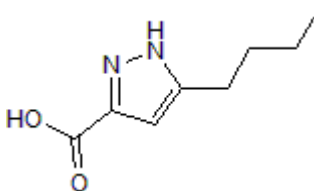
Batch Molecular Weight: 171.79

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% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	55.93	7.27	16.31
Found	56.13	7.2	16.14

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

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Description:

Partial agonist of hydroxycarboxylic acid receptor 2 (HCA₂) (K_i = 0.55 μM). Thought to lower plasma very-low-density lipoprotein (VLDL)-triglyceride levels by affecting hepatic VLDL production in normolipidemic C57BL/6 mice.

Physical and Chemical Properties:

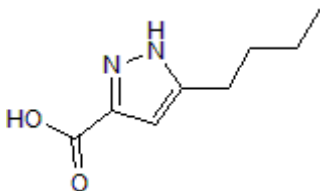
Batch Molecular Formula: C₈H₁₂N₂O₂·0.2H₂O

Batch Molecular Weight: 171.79

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Li *et al* (2012) Effects of pyrazole partial agonists on HCA₂-mediated flushing and VLDL-triglyceride levels in mice. *Br.J.Pharmacol.* **167** 818. PMID: 22616721.

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.

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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