



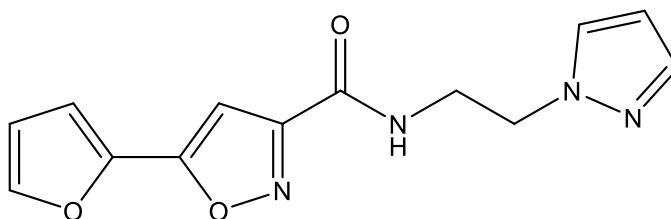
Catalog # 10-4893

TN-2-30

CAS# 943820-93-7

5-(2-Furanyl)-N-[2-(1H-pyrazol-1-yl)ethyl]-3-isoxazolecarboxamide

Lot # FBA11111



TN-2-30 is part of the chemical cocktail SCF/2i-LG that enables the long-term expansion of mouse and human granulocyte-monocyte progenitor (GMP) cells.¹ This cocktail allows extensive clonal expansion while retaining canonical immunophenotype, GMP-like chromatin and transcriptional profiles, and intact myeloid differentiation outputs. TN-2-30 was found to contribute to these effects via myeloperoxidase inhibition. TN-2-30 was originally found to be a Wnt/ β -catenin agonist², but this pathway was not involved in the enhancement of clonal expansion. An interesting new tool for exploring the use of expandable GMPs for engineered tumor immunotherapy.

- 1) Yue *et al.* (2026), *Expansion and CAR engineering of granulocyte-monocyte progenitors for cellular immunotherapy*; Cell, **189** 5378
- 2) Cho *et al.* (2007), *Isoxazole derivatives and use thereof*; WO2007078113A1

PHYSICAL DATA

Molecular Weight:	272.26
Molecular Formula:	C ₁₃ H ₁₂ N ₄ O ₃
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (60 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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