

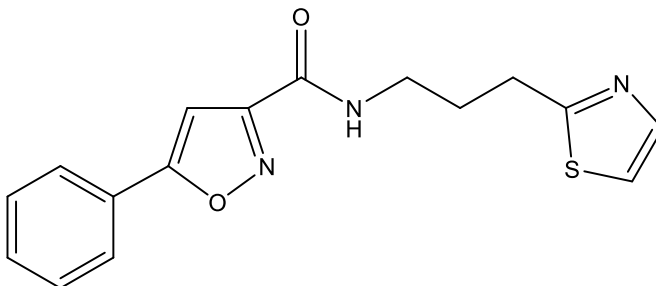
Catalog # 10-3924

PY-60

CAS# 2765218-56-0

5-Phenyl-N-[3-(1,3-thiazol-2-yl)propyl]-1,2-oxazole-3-carboxamide

Lot # FBA9005



PY-60 activates YAP transcriptional activity ($EC_{50} = 1.6 \mu\text{M}$) *via* delocalization of annexin A2 (ANXA2) from cell membranes leading to Hippo inactivation, a key controller of YAP.¹ It was able to induce serum-free expansion of MCF10A cells and epidermal keratinocytes and their precursors *ex vivo* and in adult mice. PY-60 promoted regenerative repair of cutaneous wounds in pig and human models by enabling a pro-proliferative transcriptional program in keratinocytes and dermal cells that accelerated re-epithelization and regranulation of the wound bed.²

- 1) Shalhout, *et al.* (2021), *YAP-dependent proliferation by a small molecule targeting annexin A2*; Nat. Chem. Biol., **17** 767
- 2) Grzelak, *et al.* (2023), *Pharmacological YAP activation promotes regenerative repair of cutaneous wounds*; Proc. Natl. Acad. Sci. USA, **120** e2305085120

PHYSICAL DATA

Molecular Weight: 313.38
Molecular Formula: C₁₆H₁₅N₃O₂S
Purity: >98% by HPLC
NMR: Conforms
Solubility: DMSO (>25 mg/ml)
Physical Appearance: 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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