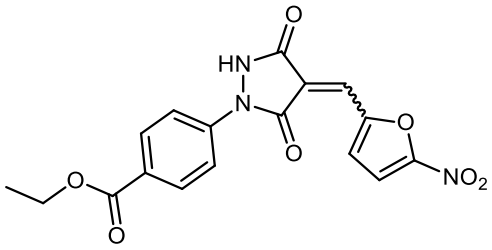
Catalog # 10-1304

PYR-41

CAS# 418805-02-4

4-[4-(5-Nitro-furan-2-ylmethylene)-3,5-dioxo-pyrazolidin-1-yl]-benzoic acid ethyl ester

Lot # X104153



Inhibits ubiquitin activating enzyme E1 (>60% inhibition at 10 µM) with little or no activity against E2 or E3. Cell permeable

1) Yang *et al*. (2007), *Inhibitors of Ubiquitin-Activating Enzyme (E1), a New Class of Potential Cancer Therapeutics*; Cancer Res., **67** 9472.
2) Mi et al. (2009), *Cancer Preventive isothiocyanates induce selective degradation of cellular alpha- and beta-tubulins by proteasomes;* J. Biol. Chem., **284** 17039
3) Maehama *et al.* (2014), *Nucleolar Stress Induces Ubiquitination-independent Proteasomal Degradation of PICT1 Protein PYR41*; J. Biol. Chem., **289** 20802 [Focus Citation]

PHYSICAL DATA

Molecular Weight:	371.31
Molecular Formula:	$C_{17}H_{13}N_3O_7$
Purity:	98% by TLC: NMR: Conforms
Solubility:	DMSO (up to 25 mg/ml)
Physical Description:	Brown solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions in DMSO may be stored at -20°C for up to 1 week.

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