

PYR-41

Cat. # F5100

Also Known as:	4[4-(5-Nitro-furan-2-ylmethylene)-3,5-dioxo-pyrazolidin-1-yl]-benzoic acid ethyl ester
Formula:	$C_{17}H_{13}N_3O_7$
MW:	371.3 Da
CAS No.:	418805-02-4
Source:	Synthetic
Form:	Lyophilized powder
Solubility:	20 mg/ml in DMSO
Concentration:	N/A
Quality Assurance:	> 98% (TLC); NMR (Confirms)
Description:	PYR-41 is a cell-permeable, irreversible ubiquitin-activating enzyme (E1) inhibitor ($IC_{50} < 10 \mu M$). Treatment of cells with PYR-41 inhibits overall protein ubiquitination, prevents ubiquitin-mediated proteasomal degradation, and inhibits pathways mediated by the ubiquitin-proteasome. It has also been found that PYR-41 treatment increases protein sumoylation in cells.
Storage:	Eligible for room temperature shipping. Store at $-20^{\circ}C$ upon receiving; avoid multiple freeze-thaw cycles after dissolving in DMSO.
Literature:	Yang, Y., <i>et al.</i> (2007) Cancer Res. 67: 9472.

