

---

## Product Data Sheet

---

Product Name: RA375  
Cat. No.: GC62399

### Chemical Properties

Cas. No.

Formula  $C_{30}H_{25}ClN_4O_7$  M.Wt 589

Solubility DMSO : 125 mg/mL (212.22 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

RA375 is a RPN13 (26S proteasome regulatory subunit) inhibitor. RA375 activates UPR signaling, ROS production and apoptosis. RA375 exhibits ten-fold greater activity against cancer lines than RA190, reflecting its nitro ring substituents and the addition of a chloroacetamide warhead[1].

RA375 (10 mg/kg, ip) inhibits proteasome function and reduces ovarian tumor burden in mice[1].

[1]. Ravi K Anchoori, et al. Structure-function Analyses of Candidate Small Molecule RPN13 Inhibitors With Antitumor Properties. PLoS One. 2020 Jan 15;15(1):e0227727.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA