



LKT Laboratories, Inc.

NU-2058

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)

Web: [lktlabs.com](http://lktlabs.com)

## Product Information

Product ID N800000

CAS No. 161058-83-9

Chemical Name

Synonym NU2058, O6-Cyclohexylmethylguanine

Formula  $C_{12}H_{17}N_5O$

Formula Wt. 247.30

Melting Point

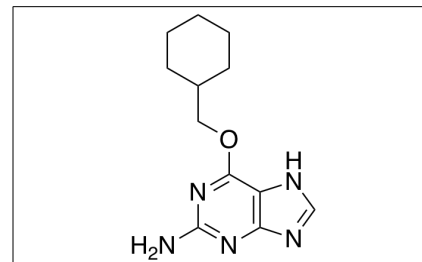
Purity  $\geq 98\%$

Solubility

Store Temp 4°C

Ship Temp Ambient

**Description** NU-2058 is a guanine-based cyclin-dependent kinase (CDK) inhibitor with selectivity for CDK1/2. In androgen-independent prostate cancer, NU-2058 shows efficacy in bicalutamide-resistant cells. It also inhibits the proliferation of breast cancer cells lines regardless of genetic background or sensitivity to anti-estrogens. NU-2058 and other CDK1/2 inhibitors are a possible therapeutic path for endocrine-resistant breast cancer.



## Pricing and Availability

*Bulk quantities available upon request*

| Product ID | Size   | List Price |
|------------|--------|------------|
| N800000    | 5 mg   | \$84.40    |
| N800000    | 25 mg  | \$227.20   |
| N800000    | 100 mg | \$681.50   |

**References** Rigas, A., Robson, C., et al. Therapeutic potential of CDK inhibitor NU2058 in androgen-independent prostate cancer. *Oncogene*. 26(55): 7611-7619 (2007). PMID 17599054.

Johnson N., Bentley J., et al. Pre-clinical evaluation of cyclin-dependent kinase 2 and 1 inhibition in anti-estrogen-sensitive and resistant breast cancer cells. *Br J Cancer*. 102(2):342-350 (2010). PMID: 20010939.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.