



LKT Laboratories, Inc.

AMI-1 Sodium

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: getinfo@lctlabs.com

Web: lctlabs.com

Product Information

Product ID A491321

CAS No. 20324-87-2

Chemical Name Disodium 7,7'-(carbonyldiimino)bis(4-hydroxynaphthalene-2-sulphonate)

Synonym W-107632; AMI 1 sodium; 2-Naphthalenesulfonic acid, 7,7'-(carbonyldiimino)bis (4-hydroxy-, sodium salt (1:2))

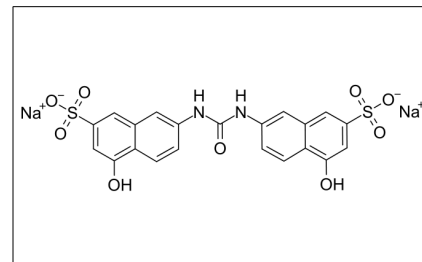
Formula $C_{21}H_{14}N_2Na_2O_9S_2$

Formula Wt. 548.45

Melting Point

Purity $\geq 98\%$

Solubility



Pricing and Availability

Bulk quantities available upon request

| Product ID | Size | List Price |
|------------|-------|------------|
| A491321 | 5 mg | \$78.00 |
| A491321 | 25 mg | \$320.00 |

Store Temp 4°C

Ship Temp Ambient

Description Arginine N-Methyltransferase Inhibitor-1, also known as AMI-1, is an inhibitor of protein arginine methyltransferases (PRMTs). PRMTs are a class of epigenetic modified enzymes that are overexpressed in some cancers, responsible for key functions in tumor development. It has shown antiproliferative effects in both mouse sarcoma 180 and human osteosarcoma U2OS cells. It inhibits gastric cancer, possibly through the downregulation of eukaryotic translation initiation factor 4E and the targeting of type II PRMT5. TEST!!!!!!

References Zhang B., Chen X., et al. Arginine methyltransferase inhibitor-1 inhibits sarcoma viability in vitro and in vivo. *Oncol Lett.* 16 (2):2161-66 (2018). PMID: 30008914.

Zhang B., Zhang S., et al. Arginine methyltransferase inhibitor 1 inhibits gastric cancer by downregulating eIF4E and targeting PRMT5. *Toxicol Appl Pharmacol.* 336:1-7 (2017). PMID: 28987382.

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