



LKT Laboratories, Inc.

5-Bromo-2'-Deoxyuridine

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID B6856
CAS No. 59-14-3
Chemical Name 5-Bromo-2'-deoxyuridine

Synonym Broxuridine, 5-bromouracil deoxyriboside, BUdR, Broxine, Neomark, Radibud

Formula C₉H₁₁BrN₂O₅

Formula Wt. 307.11

Melting Point 187-189 °C

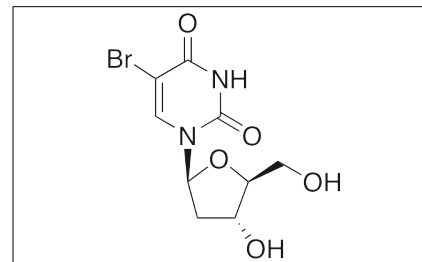
Purity ≥98%

Solubility Soluble in dimethyl-acetamide, 1N NaOH, or DMSO. Slightly soluble in water.

Store Temp -20 °C

Ship Temp Ambient

Description 5-Bromo-2'-deoxyuridine is a synthetic nucleoside analog of thymidine that is used in research models to label actively proliferating cells. This compound is incorporated into DNA but at low levels does not alter DNA replication. At high levels, this compound displays immunosuppressive activity and has shown some anticancer benefit when used as a chemotherapy radiosensitizer.



Bulk quantities available upon request

Product ID	Size
B6856	250 mg
B6856	500 mg
B6856	1 g
B6856	5 g

References Zhang R, Zhang J, Fang L, et al. Neuroprotective effects of sulforaphane on cholinergic neurons in mice with Alzheimer's disease-like lesions. *Int J Mol Sci.* 2014 Aug 18;15(8):14396-410. PMID: 25196440.

Jeong CH, Kim SM, Lim JY, et al. Mesenchymal stem cells expressing brain-derived neurotrophic factor enhance endogenous neurogenesis in an ischemic stroke model. *Biomed Res Int.* 2014;2014:129145. PMID: 24672780.

Russo A, Gianni L, Kinsella TJ, et al. Pharmacological evaluation of intravenous delivery of 5-bromodeoxyuridine to patients with brain tumors. *Cancer Res.* 1984 Apr;44(4):1702-5. PMID: 6704976.

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