



# LKT Laboratories, Inc.

## 5-Bromo-2'-Deoxyuridine

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### Product Information

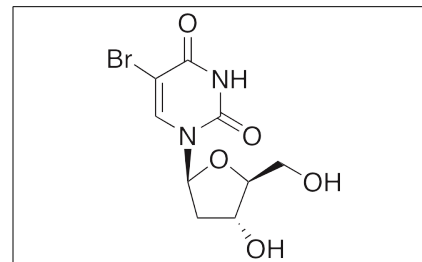
**Product ID** B6856  
**CAS No.** 59-14-3  
**Chemical Name** 5-Bromo-2'-deoxyuridine

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

**Formula**  $C_9H_{11}BrN_2O_5$   
**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.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
B6856	250 mg	\$33.10
B6856	500 mg	\$55.10
B6856	1 g	\$82.70
B6856	5 g	\$325.30

**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.