



LKT Laboratories, Inc.

Idoxuridine

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Product Information

Product ID I1257

CAS No. 54-42-2

Chemical Name 2'-Deoxy-5-iodouridine

Synonym IdU' IdUR, IUdR, IdUrd, Dendrid, (+)-5-Iodo-2'-deoxyuridine

Formula C₉H₁₁IN₂O₅

Formula Wt. 354.10

Melting Point 164-166 °C

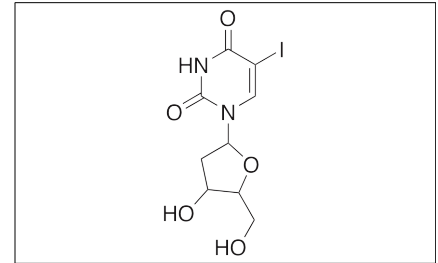
Purity ≥98%

Solubility Slightly soluble in water (2 mg/mL), acetone (1.6 mg/mL).

Store Temp -20 °C

Ship Temp Ambient

Description Idoxuridine is an antiviral clinically used to treat herpes simplex keratitis and other ocular herpes infections. Idoxuridine is a nucleoside analog of deoxyuridine that is incorporated into DNA, inhibiting chain elongation. Idoxuridine also shows benefit as a radiation/chemotherapy sensitizer in glioma cells.



Bulk quantities available upon request

Product ID	Size
I1257	500 mg
I1257	1 g

References Wilhelmus KR. Antiviral treatment and other therapeutic interventions for herpes simplex virus epithelial keratitis. *Cochrane Database Syst Rev.* 2010 Dec 8;(12):CD002898. PMID: 21154352.

Schultz CJ, Gaffney DK, Lindstrom MJ, et al. Iododeoxyuridine radiosensitization of human glioblastoma cells exposed to acute and chronic gamma irradiation: mechanistic implications and clinical relevance. *Cancer J Sci Am.* 1995 Jul-Aug;1(2):151-61. Erratum in: *Cancer J Sci Am.* 1996 Jan-Feb;2(1):15. PMID: 9166468.

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