5-Bromo-2’-Deoxyuridine

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 dimethylacetamide, 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.

References


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