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**Product Data Sheet**

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Product Name: 1,2-O-Isopropylidene-5-O-p-toluoyl-a-D-xylofuranose

Cat. No.: GC68484

**Chemical Properties**

Cas. No. 75096-60-5

Formula C<sub>16</sub>H<sub>20</sub>O<sub>6</sub> M.Wt 308.33

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

1,2-O-Isopropylidene-5-O-p-toluoyl-a-D-xylofuranose is a purine nucleoside analog. Purine nucleoside analogs have broad antitumor activity targeting indolent lymphoid malignancies. Anticancer mechanisms in this process rely on inhibition of DNA synthesis, induction of **apoptosis**, etc<sup>[1]</sup>.

[1]. Robak T, Robak P. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. *Curr Pharm Des.* 2012;18(23):3373-88.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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