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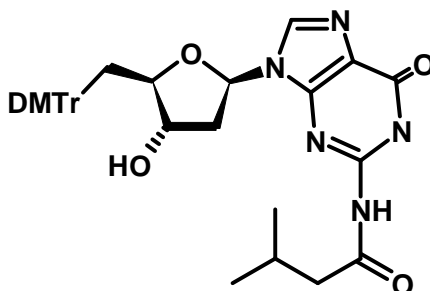
## Product Specifications

### **N<sup>2</sup>-Isobutyryl-5'-O-DMTr-2'-deoxyguanosine**

**CAS** 68892-41-1

**Syn:** DGB

**Structure:**



**Mol. Formula**  
**Source**

**C<sub>35</sub>H<sub>37</sub>N<sub>5</sub>O<sub>7</sub>**  
*Synthetic*

**Mol. Wt.**

639.74

<i>Test</i>	<i>Specification</i>
<b>Identity</b>	IR, TLC
<b>Appearance</b>	White to off-white powder
<b>Mp</b>	149-151 °C
<b>Assay (hplc)</b>	> 99%
<b>TLC</b>	Single spot
<b>LOD</b>	< 1%
<b>Ash (residue on ignition)</b>	< 0.3%
<b>Heavy metals</b>	< 10 ppm

*Storage:* Maintain in cool, dry containment.