

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

8-Hydroxy-2'-deoxyguanosine - ≥98% (TLC)

Product Number:

**H5653**

CAS Number:

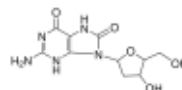
88847-89-6

Formula:

C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O<sub>5</sub>

Formula Weight:

283.2 AMU



### TEST

### Specification

Appearance (Form)	Powder or Lyophilized Powder
Appearance (Colour)	White to White w/ Yellow Cast
Solubility (Solvent)	Dimethylsulfoxide
Solubility (Conc)	19.60 - 20.40 mg/ml
Solubility (Turbidity)	Clear
Solubility (Color)	Colorless to Faint Yellow
Elemental Anal. (%C anhydrous)	41.40 - 43.40 %
Elemental Anal. (%N anhydrous)	23.73 - 25.73 %
Purity (TLC)	≥ 98.00 %
NMR (Solvent)	DMSO-d <sub>6</sub>
Identity by NMR	Consistent
Recommended Retest Period	-----
3 Years	

Specification: PRE.1.ZQ5.10000001246

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.