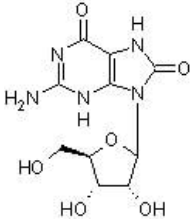


Product datasheet

8-Hydroxyguanosine, biomarker for oxidative damage ab145594

[1 References](#) [1 Image](#)

Overview

Product name	8-Hydroxyguanosine, biomarker for oxidative damage
Description	Biomarker for oxidative damage to nucleic acids and lipids
Purity	> 98%
General notes	This product is manufactured by BioVision, an Abcam company and was previously called 2176 8-Hydroxyguanosine. 2176-5 is the same size as the 5 mg size of ab145594.
CAS Number	3868-31-3
Chemical structure	 <p>The image shows the chemical structure of 8-Hydroxyguanosine. It consists of a guanine base (a fused pyrimidine and imidazole ring system) attached to a ribose sugar. The guanine base has a carbonyl group at position 6 and an amino group at position 2. The ribose sugar has hydroxyl groups at positions 2, 3, and 4. The hydroxyl group at position 8 of the guanine base is highlighted in red in the original image.</p>

Properties

Chemical name	2-Amino-9-[(2R,3R,4S,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-3,7-dihydropurine-6,8-dione
Molecular weight	299.24
Molecular formula	C ₁₀ H ₁₃ N ₅ O ₆
PubChem identifier	65131
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 25 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Refer to SDS for further information

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

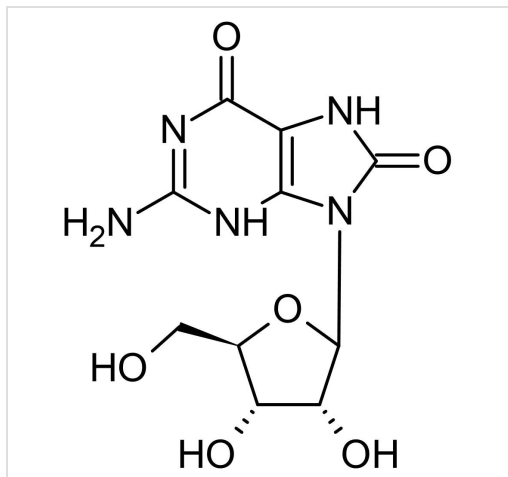
SMILES

C(C1C(C(C(O1)N2C3=C(C(=O)N=C(N3)N)NC2=O)O)O)O

Source

Synthetic

Images



2D chemical structure image of ab145594, 8-Hydroxyguanosine, biomarker for oxidative damage

Chemical Structure - 8-Hydroxyguanosine, biomarker for oxidative damage (ab145594)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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