Product Name	:	8-Hydroxyguanosine
Synonyms	:	——
Cat No.	:	M22909
CAS Number	:	3868-31-3
Molecular Formula	:	C10H13N5O6
Formula Weight	:	299.24
Chemical Name	:	——
Description	:	8-hydroxyguanosine (8-OHG) is a marker for measuring the rate of oxidative damage to nucleic acids and lipids.The concentration of 8-OHG in CSF in Parkinson's disease (PD) patients is approximately three-fold that in controls. The concentration of 8-OHG in CSF decreased significantly with the duration of disease. However, the concentration of 8-OHG in serum was not significantly altered in PD patients compared to that in controls.
Pathway	:	Others
Target	:	Other Targets
Receptor	:	Others
Solubility	:	DMSO:240 mg/mL (802.03 mM)
SMILES	:	OC[C@@H]1[C@H]([C@H]([C@H](N2C(NC3=C2N=C(N)NC3=O)=O)O1)O)O
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	

1. Harman SM, et al. Urinary excretion of three nucleic acid oxidation adducts and isoprostane F(2)alpha measured by liquid chromatography-mass spectrometry in smokers, ex-smokers, and nonsmokers. Free Radic Biol Med. 2003 Nov 15;35(10):1301-9.