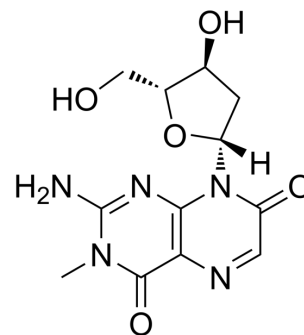


3-Methyl-8-(2'-deoxy-β-D-ribofuranosyl)isoxanthopterin

Cat. No.:	HY-147114
CAS No.:	170379-51-8
Molecular Formula:	C ₁₂ H ₁₅ N ₅ O ₅
Molecular Weight:	309.28
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

3-Methyl-8-(2'-deoxy-β-D-ribofuranosyl)isoxanthopterin is a DNA uptake tracer, a pteridine-based fluorescent guanosine analogue. 3-Methyl-8-(2'-deoxy-β-D-ribofuranosyl)isoxanthopterin is widely used in studies of DNA binding and dynamics, with an absorbance maximum at 350 nm and an emission maximum at 430 nm^[1].

REFERENCES

[1]. Jason E. Sanabia, et al. On the Feasibility of Single-Molecule Detection of the Guanosine-Analogue 3-MI. The Journal of Physical Chemistry B 2004 108 (39), 15293-15300

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

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