

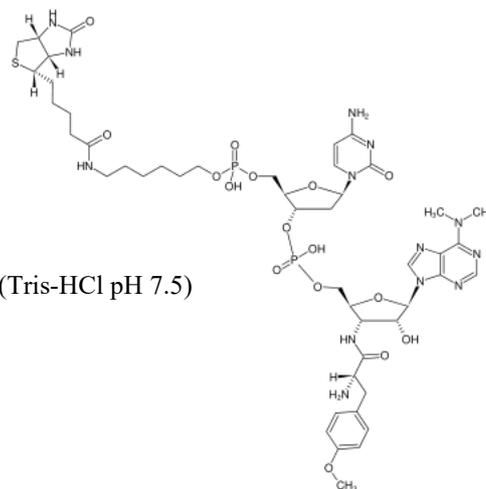
FT-GO1930


Advion Interchim
 scientific

BIOTIN-DC-PUROMYCIN

Product Information

Name	Biotin-dC-puromycin (0,1 mM)
Catalog Number	FP-GO1930, 100 µl FP-GO1931, 5x100 µl
CAS	436083-86-2
Molecular Formula	C ₄₇ H ₆₉ N ₁₃ O ₁₆ P ₂ S (free acid)
Molecular Weight	1166.14 (free acid)
Spectroscopic Properties ex./em.	λ _{max} 260 nm, ε 19.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5)
Purity:	≥ 95 % (HPLC)
Form :	Solution in water
Concentration :	0.10 mM - 0.11 mM
Storage	-20°C



General information

Biotin-dC-puromycin is a well-established multifunctional conjugate that integrates biotin, deoxycytidine, and puromycin to enhance its utility in biochemical and molecular biology research. The biotin moiety enables highly specific target recognition and affinity-based purification, while the deoxycytidine component contributes structural stability and compatibility with nucleic-acid-based systems. Puromycin, a potent inhibitor of protein synthesis, allows the compound to effectively interrogate translation processes and support diverse protein research applications.

References

- Yoshikawa et al. (2018)** Efficient analysis of mammalian polysomes in cells and tissues using Ribo Mega-SEC. *Elife* doi: 10.7554.
- Starck et al. (2002)** Puromycin oligonucleotides reveal steric restrictions for ribosome entry and multiple modes of translation inhibition. *RNA* 8 (7):890.
- Starck et al. (2004)** A general approach to detect protein expression in vivo using fluorescent puromycin conjugates. *Chem. Biol.* 11 (7):999.
- Kawahashi et al. (2007)** High-throughput fluorescence labelling of full-length cDNA products based on a reconstituted translation system. *J. Biochem.* 141 (1):19

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>

Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

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