

Exploring the miRNA World with the Riboxx Technology

The miRNA world is rapidly expanding raising interesting questions as to the regulation of gene expression in mammals. Riboxx has developed innovative molecular tools allowing you to explore the miRNA world: miRNA Inhibitors (CONTRAmir™) and miRNA Mimics (CONmir™).

CONTRAmir™ miRNA Inhibitors

- Length: 15 - 25 nt
- Pre-designed or custom
- Backbone / end modifications

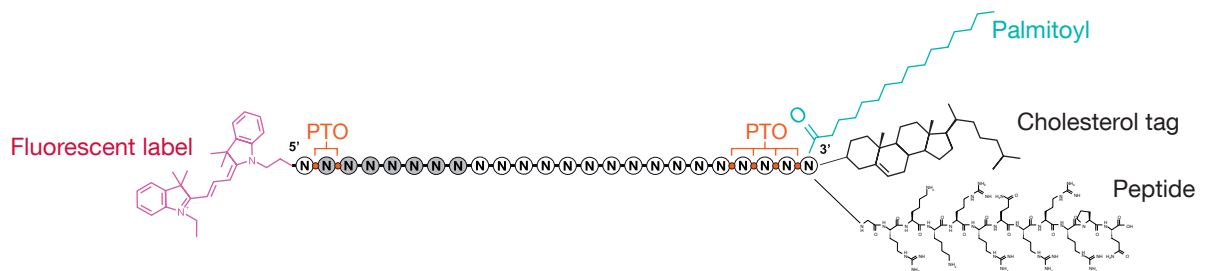


Figure 1. Customization of the riboxx® miRNA Inhibitor CONTRAmir™. The riboxx® miRNA Inhibitor CONTRAmir™ offers a great variety of modifications both on backbone (eg. 6x phosphorothioate) and on 5'- and 3'-ends (eg. fluorescent label, cholesterol tag).

CONmir™ miRNA Mimics

- Length: 50 - 80 nt
- Pre-designed or custom
- Backbone / end modifications

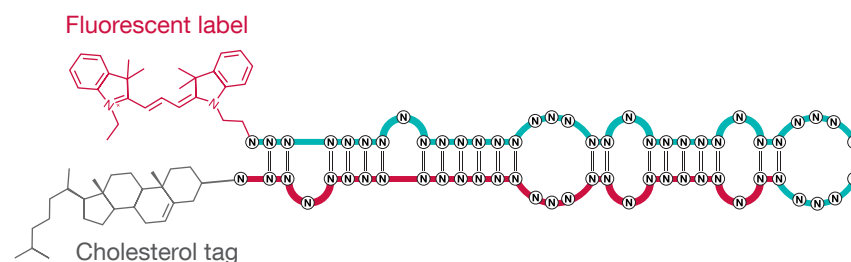


Figure 2. Customization of the riboxx® miRNA Mimic CONmir™. The riboxx® miRNA Mimic CONmir™ is a 50-80 nt hairpin displaying the features of the pre-miRNA. It harbors the minor miRNA and the mature miRNA paired in a hairpin. A great variety of modifications both on backbone (eg. 6x phosphorothioate) as well as on 5'- and 3'-ends (eg. fluorescent label, cholesterol tag) may be included.

Applications

- miRNA-mediated gene silencing
- Inhibition of miRNAs *in vitro* (CONTRAmir™) or miRNA mimicry *in vitro* (CONmir™)
- miRNA experiments *in vivo*

riboxx® miRNA

Ordering Information

To meet your specific experimental needs, Riboxx offers a wide range of scales and configurations of the CONTRAmir™ miRNA Inhibitors and CONmir™ miRNA Mimics:

Product Name	Cat. No.	Quantity		Purification / QC
CONTRAmir™ (15 - 25 nt)				
CONTRAmir S	M-00102-0002-D	5 nmol	>1.0 OD	RP / IEX HPLC
CONTRAmir M	M-00103-0020-D	20 nmol	>4 OD	RP / IEX HPLC
CONTRAmir L	M-00201-0200-D	200 nmol	>40 OD	RP / IEX HPLC
CONTRAmir XL	M-00301-1500-D	1500 nmol	>300 OD	RP / IEX HPLC

CONmir™ (Hairpin pre-miRNA 50 - 80 nt)				
CONmir S	M-00202-0002-D	5 nmol	>1.0 OD	RP / IEX HPLC
CONmir M	M-00203-0020-D	20 nmol	>4 OD	RP / IEX HPLC
CONmir L	M-00301-0200-D	200 nmol	>40 OD	RP / IEX HPLC
CONmir XL	M-00401-1500-D	1500 nmol	>300 OD	RP / IEX HPLC

CONTRAmir™ and CONmir™ Modifications	
5' Modifications	Dyes, spacers, linkers, affinity tags, peptide and hydrophobic anchor groups
3' Modifications	Dyes, spacers, linkers, affinity tags, peptide and hydrophobic anchor groups
Backbone modifications	6x phosphorothioate (PTO), 2'-fluoro, 2'- methoxy moieties

Order

Products & Services can be ordered by:

Fax: 0049 (0)351 83 36 01-39

E-Mail: order@riboxx.com

Online-Shop: www.riboxx.com

Support & Technical Assistance

For technical assistance please visit www.riboxx.com or contact us directly:

Phone: 0049 (0)351 83 36 01-0

Fax: 0049 (0)351 83 36 01-39

E-Mail: support@riboxx.com

Other Riboxx Products & Services

IBONI® - *in vitro* siRNA

- Prolonged gene silencing
- Reduced off-target effects
- Gene Silencing Guarantee service

IBONI® siRNA Control

- Pre-designed double-stranded RNA
- Successfully validated by independent scientists
- Positive and negative controls

riboxx® Custom siRNA Libraries

- Increased knock-down efficiency
- Enhanced RNase resistance
- Gene Silencing Guarantee service

riboxx® FECT (with Chromo-GAPDH-siRNA)*

- Powerful transfection reagent for siRNA, RNA, miRNA
- ***Control of transfection and gene silencing efficiency**
- For adherent cells or cells in suspension
- Perfect compatibility with riboxx® products

IVORI® - *IN VIVO* siRNA

- Maximal gene silencing
- Enhanced serum stability
- Less toxicity

riboxx® RNA

- 7 - 80 base pairs
- Scale up to 1 gram
- Modified or non-modified

Additional Services

- Design of siRNA targets
- Additional purification
- Additional quality control
- **Special services on request**

