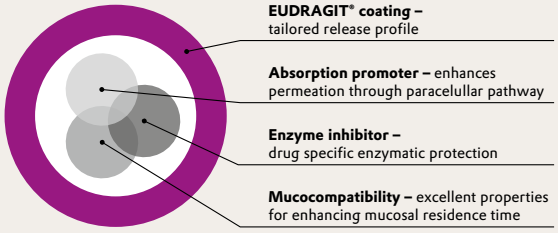
Eudratec®

EUDRATEC® PEP

SWITCHING BIOLOGICS FROM PARENTERAL TO ORAL ADMINISTRATION

ORAL BIOAVAILABILITY OF LOW PERMEABLE DRUGS

EUDRATEC® PEP platform technology offers the combination of **synergistic modules for bioavailability enhancement** with a tailored release profile of your drug in the gastrointestinal tract (GI tract).

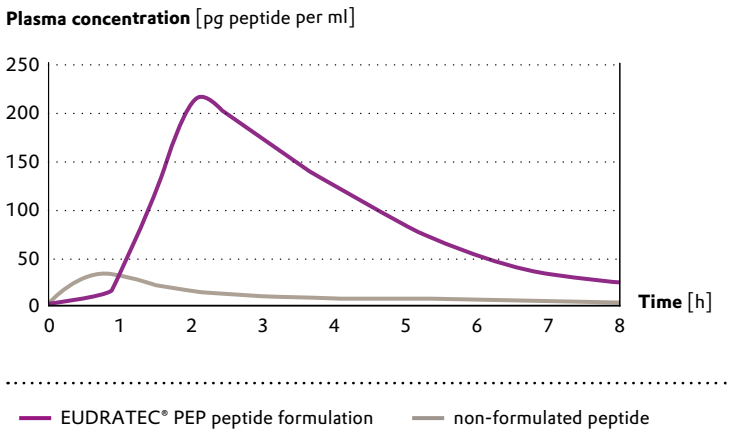


The combination and the type of these excipients allows you to design your own final dosage form for your specific poorly permeable drug.

WHAT MAKES EUDRATEC® PEP UNIQUE?

- Tailored release profile – pH and time controlled
- BCS Class III & IV — Enhanced bioavailability of low permeable drugs
- Microparticles. Better distribution in GI tract
- *In vivo* proven
- Suitable for various drugs and dosage forms
- Usage of conventional equipment
- IP — Patent protected

***In vivo* study with EUDRATEC® PEP: bioavailability enhancement of a peptidic drug**



Our cutting-edge technology includes specific excipients to enhance the permeability of peptide drugs. The addition of a permeation enhancer, enzyme inhibitor and a muco-compatible excipient can be tailored to each specific drug.

The *in vivo* proven formulation concept showed in an animal trial with mini-piglets up to 7-fold improved bioavailability in comparison to the non-formulated peptide. A dose reduction of up to 80% is possible with the innovative technology EUDRATEC® PEP.

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EUDRATEC® PEP

PATENT NO (WO, EP, US)	TITLE
WO2011103920 **EP2538955 B1** **US8765152**	Pharmaceutical or nutraceutical formulation
WO2008012115 **EP2046304 B1** **US7871643**	Pharmaceutical form with multilayer separating layer
WO2006061069 **EP1824457 B1** **US8568778**	Multiparticulate form of administration, comprising nucleic acid -containing mucoadhesive active ingredients, and method for producing said form of administration
WO2006010453 **EP1771157 B1** **US8273375**	Multiparticle pharmaceutical dosage form for low-soluble active substances and method for producing said pharmaceutical dosage form
WO2005007139 **EP1643977 B1** **US8734849**	Multiparticle pharmaceutical dosage form containing mucoadhesively formulated peptide or protein active substances, and a method for producing said pharmaceutical dosage form

Evonik Nutrition & Care GmbH
Health Care Business Line
Pharma Polymers & Services

healthcare@evonik.com
www.evonik.com/oraldrugdelivery

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