cQrex[®] ingredients

Chemically defined peptides for biopharma cell culture applications

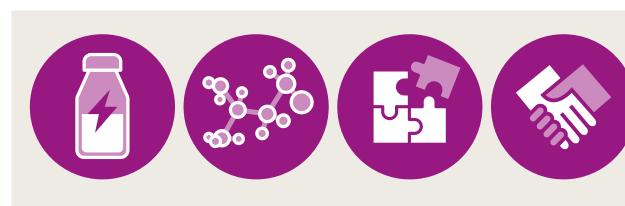
cQrex®







Our offering: peptides and beyond



PEPTIDES

cGMP-quality peptides, solving key issues in mammalian cell culture

AMINO ACIDS

Decades-long experience in supplying highly pure amino and keto acids for consistent media performance

CUSTOMIZATION

Media ingredients tailored to your specific requirements by our team of experts

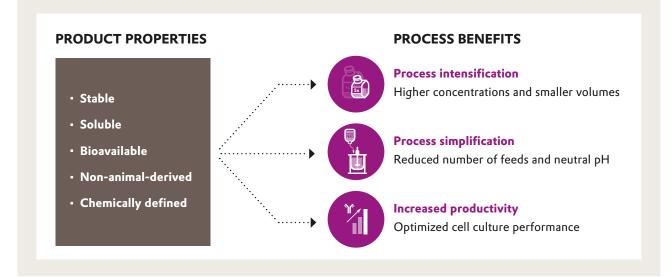
SERVICES

Formulation, regulatory and application support with strong local market expertise

The cQrex® effect: enhanced cell culture performance

Tyrosine, cystine and glutamine are examples of amino acids that are hardly soluble or chemically reactive, and are unstable. These properties limit process performance, especially if highly concentrated feed or perfusion media are required to intensify the process.

cQrex® peptides from Evonik provide an elegant solution. Chemical coupling to carrier amino acids yields peptides that are stable and highly soluble at neutral pH. These natural building blocks are efficiently utilized by a variety of animal and human cells.



Curious? Order samples to test them in your system

When performance is of the essence, it helps to have the right tools available. The cQrex® portfolio consists of peptides and the keto acid AKG, which are designed to help manage the supply of critical nutrients by improving their stability or solubility, in order to increase the productivity.

All products are readily available at commercial scale.

Overview of cQrex® ingredients

PRODUCT NAME	MOLECULAR WEIGHT	SOLUBILITY IN WATER (20°C, pH 7)		FREE SAMPLE QUANTITY
cQrex® AQ L-Alanyl-L-glutamine	217.23 g / mol	720 g/L	3314 mM	10 g
cQrex® GQ Glycyl-L-glutamine hydrate	221.23 g / mol	154 g/L	696 mM	10 g
cQrex® GY Glycyl-L-tyrosine dihydrate	274.27 g / mol	34 g/L	124 mM	10 g
cQrex® AY L-Alanyl-L-tyrosine dihydrate	288.31 g / mol	20 g/L	69 mM	10 g
cQrex® AC N,N'-di-L-Alanyl-L-cystine	382.457 g/mol	13 g/L	34 mM	6 g
cQrex® KC N,N'-di-L-Lysyl-L-cystine dihydrochloride	569.57 g/mol	>570 g/L	>1000 mM	10 g
cQrex® AKG α-Ketoglutaric acid	146.07 g / mol	>1000 g/L	>6846 mM	 5 g

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Evonik Operations GmbH Health Care Business Line Pharma & Food Ingredients

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