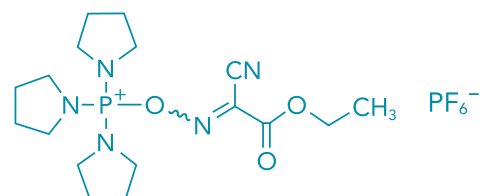
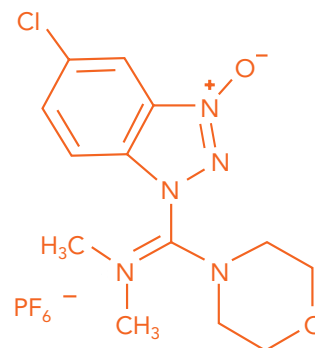


PurePep™ Coupling Reagent

Product Information Sheet

D0027824/A

- **Increase peptide yield and purity**
 - Synthesize your peptides correctly the first time by increasing your coupling efficiency
 - Reduce racemization
 - Prevent premature cleavage of peptide-resins from extremely acid labile solid supports
- **Convenient pack sizes**
 - Pack sizes from 5 g to 1 kg
 - Custom pack sizes available upon request
- **Consistent reagent quality**
 - Consistent reagent quality reduces synthesis variability
 - All our chemicals are 100% QC tested
- **Knowledgeable technical support**
 - All reagents are used in Gyros Protein Technologies' Peptide Synthesis Application Laboratory



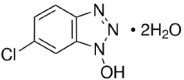
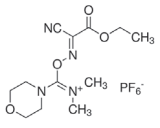
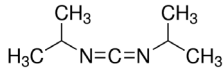
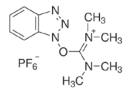
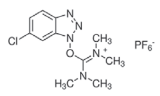
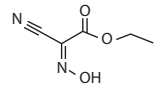
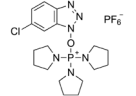
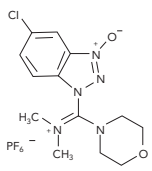
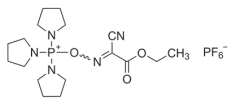
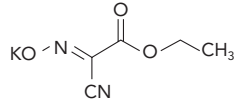
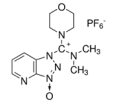
Choosing the Coupling Agent

Choosing the right coupling agent depends on several different factors in the peptide synthesis protocol (table1).

Table 1 Parameters for selecting a coupling agent

Coupling Agent	Use with Acid-Labile Resin	Coupling Conditions – basic pH	Best for Cyclization	High DMF solubility	High DMF Stability
OXYMA BASED					
K-OXYMA® (USED WITH DIC)	✓	Neutral pH		high	+++
PYOXIM®	✓	Basic pH	✓	high	+++
IMMONIUM BASED					
HDMA	✓	Basic pH		low	++
HDMC	✓	Basic pH		medium	++

Ordering information

	Activator	Catalog No.	Description	CAS No.	MW (g/mol)
	6-Cl-HoBt	ACT-100-HoBt	6-Cl-HoBt, 100 g	26198-19-6	169.57
		ACT-500-HoBt	6-Cl-HoBt, 500 g		
		ACT-1K-HoBt	6-Cl-HoBt, 1 kg		
	COMU®	ACT-5-COMU	COMU, 5 g	1075198-30-9	428.27
		ACT-25-COMU	COMU, 25 g		
		ACT-100-COMU	COMU, 100 g		
		ACT-1K-COMU	COMU, 1 kg		
	DIC	ACT-100-DIC	DIC, 100 g	693-13-0	126.2
		ACT-500-DIC	DIC, 500 g		
		ACT-1K-DIC	DIC, 1 kg		
	HBTU	ACT-100-HBTU	HBTU, 100 g	94790-37-1	379.24
		ACT-500-HBTU	HBTU, 500 g		
		ACT-1K-HBTU	HBTU, 1 kg		
	HCTU	ACT-100-HCTU	HCTU, 100 g	330645-87-9	413.69
		ACT-500-HCTU	HCTU, 500 g		
		ACT-1K-HCTU	HCTU, 1 kg		
	OxymaPure®	ACT-25-OXP	Oxyma Pure, 25 g	3849-21-6	142.11
		ACT-100-OXP	Oxyma Pure, 100 g		
		ACT-1K-OXP	Oxyma Pure, 1 kg		
	PyClock®	ACT-25-PYC	PyClock, 25 g	893413-42-8	554.84
		ACT-100-PYC	PyClock, 100 g		
		ACT-1K-PYC	PyClock, 1 kg		
	HDMC*	ACT-5-HDMC	HDMC, 5g	1082951-62-9	455.72
		ACT-25-HDMC	HDMC, 25g		
		ACT-100-HDMC	HDMC, 100g		
		ACT-250-HDMC	HDMC, 250g		
		ACT-500-HDMC	HDMC, 500g		
		ACT-1K-HDMC	HDMC, 1 kg		
	Py-Oxim®*	ACT-25-PYOXIM	Py-Oxim, 25g	153433-21-7	527.38
		ACT-100-PYOXIM	Py-Oxim, 100g		
		ACT-500-PYOXIM	Py-Oxim, 500g		
		ACT-1K-PYOXIM	Py-Oxim, 1kg		
	K-Oxyma®*	ACT-5-KOXY	K-Oxyma, 5g	158014-03-0	180.2
		ACT-25-KOXY	K-Oxyma, 25g		
		ACT-100-KOXY	K-Oxyma, 100g		
		ACT-250-KOXY	K-Oxyma, 250g		
		ACT-1K-KOXY	K-Oxyma, 1kg		
	HDMA	ACT-5-HDMA	HDMA, 5g	958029-37-3	422.3
		ACT-25-HDMA	HDMA, 25g		
		ACT-100-HDMA	HDMA, 100g		

* Gyros Protein Technologies is the exclusive North American distributor for Luxembourg Bio Technologies (LBT) of these coupling agents

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