CATALOGUE

Blossmate chiral series brochure

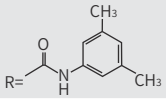
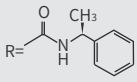
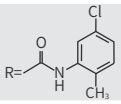
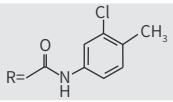
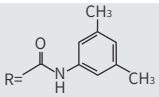
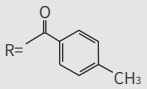
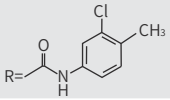
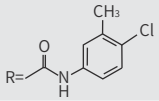
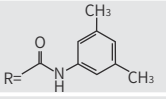
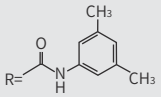
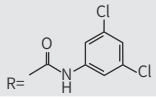
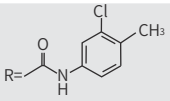
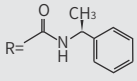
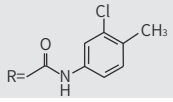
Welch

Distributed by AKRIBIS



Blossmate Chiral Series

Your Chiral Separation Partner - One Platform, All Scales.
High Selectivity, High Loading Capacity, Consistent and Reproducible Results.

Welch Chiral Phase	Phase	Structure	Type	Equivalent to
Blossmate Amy-D	Amylose tris (3,5-dimethylphenylcarbamate)		Coated	AD
Blossmate Amy-S	Amylose tris ([S]-α-methylbenzylcarbamate)		Coated	AS
Blossmate Amy-Y	Amylose tris (5-chloro-2-methylphenylcarbamate)		Coated	AY
Blossmate Amy-Z	Amylose tris (3-chloro-4-methylphenylcarbamate)		Coated	AZ
Blossmate Cellu-D	Cellulose tris (3,5-dimethylphenylcarbamate)		Coated	OD
Blossmate Cellu-J	Cellulose tris(4-methylbenzoate)		Coated	OJ
Blossmate Cellu-Z	Cellulose tris (3-chloro-4-methylphenylcarbamate)		Coated	OZ
Blossmate Cellu-X	Cellulose tris (4-chloro-3-methylphenylcarbamate)		Coated	OX
Blossmate IMMA	Amylose tris (3,5-dimethylphenylcarbamate)		Immobilized	IA
Blossmate IMMB	Cellulose tris (3,5-dimethylphenylcarbamate)		Immobilized	IB
Blossmate IMMC	Cellulose tris (3,5-dichlorophenylcarbamate)		Immobilized	IC
Blossmate IMMF	Amylose tris (3-chloro-4-methylphenylcarbamate)		Immobilized	IF
Blossmate IMMH	Amylose tris (S)-α-methylbenzylcarbamate		Immobilized	IH
Blossmate IMMM	Cellulose tris (3-chloro-4-methylphenylcarbamate)		Immobilized	IM

Welch Materials

Key Advantages

- **Excellent Selectivity**
- **High Efficiency & Superior Separation**
- **Scale-Up Capability**
- **SFCand HPLC Compatibility**

Polysaccharide-based CSPs provide superior recognition and resolution across a wide range of chiral molecules.
Achieve strong peak shape, high plate count and consistent reproducibility.
Available in analytical columns → prep columns → bulk media for seamless process development to production.
All Blossmate preparative column is compatible with SFC— no separate hardware required.

Modes of use

- **Normal Phase (NP)**
- **Polar Organic**
- **Reversed Phase (RP)**
- **Supercritical Fluid Chromatography (SFC)**

Important Guidance for Mode Switching (NP → RP)

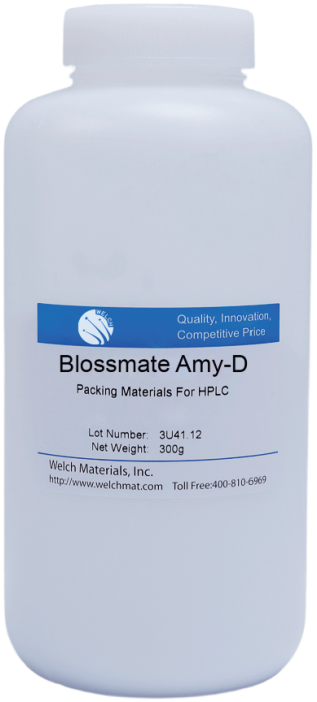
While Blossmate phases can operate in both NP & RP modes, **once switched from NP - RP, the same column should remain dedicated for RP use only.**

Recommended Conditioning Before Switching

- ☑ Test column in NP mode to confirm performance.
- ☑ Flush with IPA at 0.25 mL/min (4.6 mm ID) for 20 minutes.
- ☑ Then flush with methanol.
- ☑ Transition to RP using aqueous methanol or aqueous acetonitrile.

Why Choose Blossmate for Chiral Purification?

- ☑ Proven phase chemistry aligned with widely used global equivalents.
- ☑ Lower cost of operation compared to imported CSPs.
- ☑ Local support, faster supply &technical application guidance.
- ☑ Scalable from method development → pilot → commercial purification.



Free Chiral Method Screening Support

Share samples → We evaluate on multiple Blossmate phases → Recommend best separation phase and method conditions.
No cost. Fast turnaround.

Blossmate Chiral Phase Availability

Type	ID (mm)	Length (mm)	Particle Size (μm)
Analytical	4.6	150 / 250	5 & 10
Preparative	10 / 21.2 / 30 / 50	250	5 & 10
Bulk Media	-	-	5 & 10

- **All Blossmate preparative chiral columns are fully SFC-compatible.**
- **Need a different dimension? Custom sizes are available—contact us.**

Welcome to visit our website: www.welchcto@akribis.info