

Brominated Derivatives

Vynova PPC SAS

Vynova PPC, part of WeylChem's sister company Vynova Group, has extensive technical experience in the synthesis of halogenated compounds based on Bromination, Hydrobromination and related technologies. Brominated derivatives are widely used as intermediates in specialty chemicals, in the pharmaceutical and agrochemical industry and in the cosmetics industry. Vynova PPC

is also a leading producer of potassium and chlorine derivatives.

Vynova PPC R&D experts are constantly working to develop new molecules meeting our customers' needs. A non-exhaustive-list of our product portfolio of brominated derivatives is presented below.

Product	CAS
Inorganic Bromides	
Sodiumbromide – NaBr	7647-15-6
Potassium Bromide – KBr	7758-02-3
Hydrobromic Acid Anhydrous – HBr	10035-10-6
Alkyl Bromides	
Ethyl Bromide – EtBr	74-96-4
1,2-Dibromoethane – EDB	106-93-4
1,6-Dibromohexane – 1,6-DBH	629-03-8
Cetyl Bromide – C16Br	112-82-3
n-Propyl Bromide – NPBr	106-94-5
Isopropyl Bromide – IPB	75-26-3
Allyl Bromide – AllBr	106-95-6
n-Butyl Bromide – NBB	109-65-9
Isobutyl Bromide – IBB	78-77-3
n-Amyl Bromide – AmBr	110-53-2
Isoamyl Bromide – iamBr	107-82-4
2-Bromopentane – 2-BP	107-81-3
n-Hexyl Bromide – HexBr	111-25-1
n-Decyl Bromide – C10Br	112-29-8
n-Dodecyl Bromide – C12Br	143-15-7
Lauryl Bromide – C12/C14Br	112-71-0
1,3-Dibromopropane – 1,3-DBP	109-64-8
2-Ethyl-Hexyl Bromide – 2-EHB	18908-66-2
1-Bromo-3-Chloropropan – EBCP	109-70-6
1-Bromo-3-Chloro-2-Methylpropane – BCMP	6974-77-2
1,5-Dibromopentane – 1,5-DBP	111-24-2
Bromoform – BFRM	75-25-2

Product	CAS
Brominated Acids & Esters	
2-Bromopropioniacid – BPA	598-72-1
Methyl Bromoacetate – BAM	96-32-2
Ethyl Bromoacetate – BAE	105-36-2
Ethyl 2-Bromopropionate – BPE	535-11-5
Ethyl 2-Bromobutyrate – 2-EBB	533-68-6
Ethyl 4-Bromobutyrate – 4-EBB	2969-81-5
Ethyl 2-Bromoisobutyrate – BIBE	600-00-0
Isopropyl 2-Bromoisobutyrate – BIBIP	51368-55-9
Methyl 2-Bromohexanoate – MBH	5445-19-2
Methyl 2-Bromobutyrate – 2-MBB	3196-15-4
5-Bromovaleric Acid – 5-BVA	2067-33-6
Brominated Aromatics	
1-Bromo-4-Fluorobenzene – PFBF	460-00-4
2-Bromothiophene – 2-BRTH	1003-09-4
1-Bromo-3,4-Dichlorobenzene – BDCB	18282-59-2
1,4-Dibromonaphtalene – 1,4-DBN	83-53-4
Acyl Bromides	
2-Bromoisobutyryle Bromide- B2BIB	20769-85-1

Vynova PPC is involved in multi-site custom manufacturing projects (thanks to close cooperation with other sites of the Group), thus providing a wide range of key complementary technologies.

Core Technologies

- Bromination
- Halogenation
- Hydrobromination
- Transhalogenation

To produce Fine and Specialty Chemicals, Vynova PPC offers an extensive range of manufacturing assets, with a flexible capacity to fulfill our customers' needs from pilot to commercial scale.

Facilities and Capacities

Pilot plant

- Operating temperatures from -15°C to +200°C
- Distillation: column diameter 300 mm
- Filtration: glass line Nutsche filter 1m²
- Dryer: rotary biconic drier 400 l

Multi purpose production plant:

- More than 180 m³ total capacity of reaction
- 8,000 up to 16,000 l reactors [glass-lined]
- Distillation unit with glass rectifying columns diameter of 400 mm
- Filtration unit: halarcoated centrifuges, diameter 1,2 m
- Drying unit:
 - > Glass-lined drying columns [resin]
 - > Glass-lined bi-cone dryers

Bromine Recovery facility

Vynova PPC provides extended Bromine recovery services from customers' process streams, thereby contributing to a sustainable management of resources.

The expertise of Vynova PPC is supported by a broad scope of

analytical capabilities, know-how and equipment.

Project management from customers demand to commercial production:

- Project evaluation
- Process development and optimization
- Scale-up at pilot stage
- Process industrialization
- Manufacturing support – troubleshooting

Waste Management

- AOX with active carbon treatment
- Bromine recovery
- Physico-chemical treatment
- Thermal oxidizer

Certifications:

- Vynova PPC is ISO 9 001, 50 001 and 14 001 certified.
- Vynova PPC is a Signatory Member of the Responsible Care® Initiative.

Vynova PPC's brominated derivatives are sold and marketed by WeylChem Group of Companies. Let us help you develop the brominated derivatives you require. Contact us for more information: www.weylchem.com

This brochure does not constitute any representation or warranty and may not be treated as an offer to supply Product. We would be pleased to provide you a binding offer to supply Product meeting your individual needs and requirements.

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