



## Halobenzoquinone Standards (disinfectant by-products)



Halobenzoquinones (HBQs) are disinfection by-products formed by reactions between disinfectants and organic matter in water. HBQs likely exhibit carcinogenic properties due to their structural similarities with benzoquinone and related compounds.

A recently published study (1) has shown that a series of HBQs are formed through reactions with personal care products such as sunscreens and lotions in swimming pool water. In response to this research, AccuStandard has developed a series of halogenated benzoquinones for use as reference materials for use in any future studies on these compounds.

All in 10 µg/mL in AcCN

Compound	CAS	Cat. No.	Unit
2,3-Dibromo-5,6-dimethyl-1,4-benzoquinone	38969-08-3	<a href="#">HBQ-001S</a>	1 mL
2,6-Dichloro-1,4-benzoquinone	697-91-6	<a href="#">HBQ-002S</a>	1 mL
2,5-Dibromo-(1,4)benzoquinone	1633-14-3	<a href="#">HBQ-003S</a>	1 mL
2,3,5,6-Tetrabromo-(1,4)benzoquinone	488-48-2	<a href="#">HBQ-004S</a>	1 mL
3,4,5,6-Tetrabromo-(1,2)benzoquinone	2435-54-3	<a href="#">HBQ-005S</a>	1 mL
2,6-Dibromo-3,5-dimethyl-1,4-benzoquinone	87405-27-4	<a href="#">HBQ-006S</a>	1 mL
2,6-Dibromo-3-chloro-5-methyl-(1,4)benzoquinone		<a href="#">HBQ-007S</a>	1 mL



1. Wang, W., Qian, Y., Boyd, J., Wu, M., Hrudy, S. and Li, X. Environ. Sci. Technol. 2013, 47, 3275-3282.