

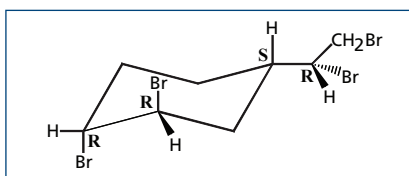


## NEW PRODUCTS

### TETRABROMOETHYLCYCLOHEXANE

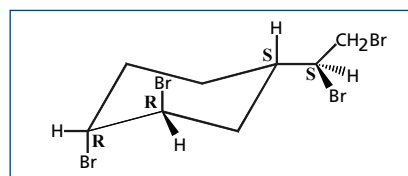
Tetrabromoethylcyclohexane (TBECH) is a commercial brominated flame retardant (BFR) that can exist as four pairs of enantiomers ( $\alpha$ -,  $\beta$ -,  $\gamma$ - and  $\delta$ -TBECH; only one enantiomer shown for each).  $\alpha$ - and  $\beta$ -TBECH are the major components of technical TBECH. **WELLINGTON** has now added one of them,  $\beta$ -TBECH [*rac*-(1*R*,2*R*)-1,2-dibromo-4*S*-4-((1*S*)-1,2-dibromoethyl)cyclohexane], into its inventory of BFRs.

WELLINGTON also offers 1:1 mixtures of  $\alpha$ - and  $\beta$ -TBECH as well as of  $\gamma$ - and  $\delta$ -TBECH.



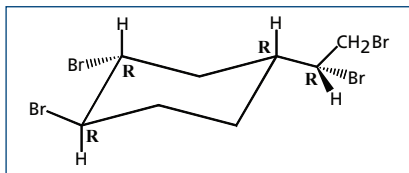
$\alpha$ -TBECH

*rac*-(1*R*,2*R*)-1,2-dibromo-(4*S*)-4-((1*R*)-1,2-dibromoethyl)cyclohexane



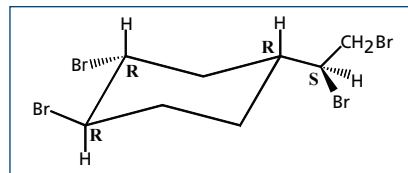
$\beta$ -TBECH

*rac*-(1*R*,2*R*)-1,2-dibromo-(4*S*)-4-((1*S*)-1,2-dibromoethyl)cyclohexane



$\gamma$ -TBECH

*rac*-(1*R*,2*R*)-1,2-dibromo-(4*R*)-4-((1*R*)-1,2-dibromoethyl)cyclohexane



$\delta$ -TBECH

*rac*-(1*R*,2*R*)-1,2-dibromo-(4*R*)-4-((1*S*)-1,2-dibromoethyl)cyclohexane

Very little is known about the presence of this BFR in the environment. The availability of these reference standard solutions should aid scientists in their ongoing efforts to gain a more complete understanding of the impact, if any, of some lesser known BFRs on the environment.

These products are in stock and available for immediate shipping. For pricing information please contact the distributor that serves your area, or by e-mail at

[info@well-labs.com](mailto:info@well-labs.com)

## TETRABROMOETHYLCYCLOHEXANE (TBECH)

Catalogue Number	Product (toluene solution)	Qty/Conc
<b>β-TBECH</b>	<i>rac</i> -(1 <i>R</i> ,2 <i>R</i> )-1,2-dibromo-(4 <i>S</i> )-4-((1 <i>S</i> )-1,2-dibromoethyl)cyclohexane	1.2 ml 50 µg/ml

## TETRABROMOETHYLCYCLOHEXANE ISOMERIC SOLUTION/MIXTURES

Catalogue Number	Product (toluene solution)	Qty/Conc
<b>α/β-TBECH</b>	TBECH Isomeric Solution/Mixture	1.2 ml
α-TBECH	<i>rac</i> -(1 <i>R</i> ,2 <i>R</i> )-1,2-dibromo-(4 <i>S</i> )-4-((1 <i>R</i> )-1,2-dibromoethyl)cyclohexane	50 µg/ml
β-TBECH	<i>rac</i> -(1 <i>R</i> ,2 <i>R</i> )-1,2-dibromo-(4 <i>S</i> )-4-((1 <i>S</i> )-1,2-dibromoethyl)cyclohexane	50 µg/ml
<b>γ/δ-TBECH</b>	TBECH Isomeric Solution/Mixture	1.2 ml
γ-TBECH	<i>rac</i> -(1 <i>R</i> ,2 <i>R</i> )-1,2-dibromo-(4 <i>R</i> )-4-((1 <i>R</i> )-1,2-dibromoethyl)cyclohexane	50 µg/ml
δ-TBECH	<i>rac</i> -(1 <i>R</i> ,2 <i>R</i> )-1,2-dibromo-(4 <i>R</i> )-4-((1 <i>S</i> )-1,2-dibromoethyl)cyclohexane	50 µg/ml

