



September 15, 2014

## **NEW PRODUCTS**

## NATIVE/MASS-LABELLED HALOGENATED CARBAZOLES

Halogenated carbazoles have recently been recognized as emerging environmental contaminants, but research groups have been reporting their existence in environmental samples since 1984. There may be multiple sources of these pollutants, but it has recently been suggested that they were produced as byproducts during the synthesis of halogenated indigo dyes. Since unsubstituted carbazoles are known to be lost during acid silica clean-up, it is very important that reference standards be used when processing samples.

In order to aid researchers in the detection of halogenated carbazoles in environmental samples, Wellington has produced certified reference standards of selected halogenated carbazoles (CCZ-3, CCZ-36, CCZ-1368, CCZ-2367, BCZ-3, BCZ-27, BCZ-136, BCZ-1368, 1-B-36-CCZ, and 18-B-36-CCZ) as well as two certified reference standards of mass-labelled chlorinated carbazoles (MCCZ-36 and MCCZ-1368).

Catalogue Number	Product (nonane)	Qty	Conc
MCCZ-36	3,6-Dichloro-9H-[ <sup>13</sup> C <sub>12</sub> ]carbazole	1.2 ml	50 μg/ml
MCCZ-1368	1,3,6,8-Tetrachloro-9H-[ <sup>13</sup> C <sub>12</sub> ]carbazole	1.2 ml	50 μg/ml
Catalogue Number	Product (nonane)	Qty	Conc
CCZ-3	3-Chloro-9H-carbazole	1.2 ml	50 μg/ml
CCZ-36	3,6-Dichloro-9H-carbazole	1.2 ml	50 μg/ml
CCZ-1368	1,3,6,8-Tetrachloro-9H-carbazole	1.2 ml	50 μg/ml
CCZ-2367	2,3,6,7-Tetrachloro-9H-carbazole	1.2 ml	50 μg/ml
Catalogue Number	Product (nonane)	Qty	Conc
BCZ-3	3-Bromo-9H-carbazole	1.2 ml	50 μg/ml
BCZ-27	2,7-Dibromo-9H-carbazole	1.2 ml	50 μg/ml
BCZ-136	1,3,6-Tribromo-9H-carbazole	1.2 ml	50 μg/ml
BCZ-1368	1,3,6,8-Tetrabromo-9H-carbazole	1.2 ml	50 μg/ml
Catalogue Number	Product (nonane)	Qty	Conc
1-B-36-CCZ	1-Bromo-3,6-Dichloro-9H-carbazole	1.2 ml	50 μg/ml



18-B-36-CCZ

Please contact your local distributor or info@well-labs.com for pricing and delivery.

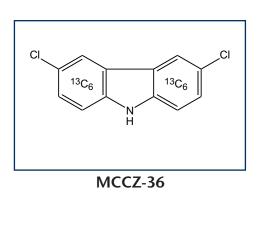
1,8-Dibromo-3,6-Dichloro-9H-carbazole

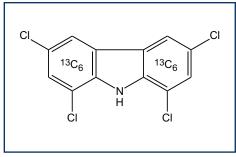
Visit our website (www.well-labs.com) for a complete listing of our new products.

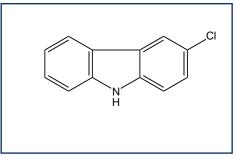
50 μg/ml

1.2 ml

## NATIVE & MASS-LABELLED HALOGENATED CARBAZOLES

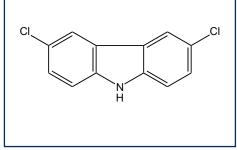


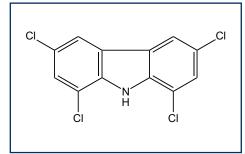


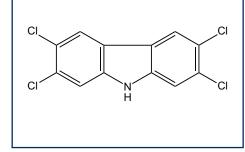


MCCZ-1368

CCZ-3



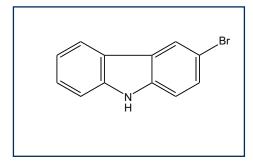


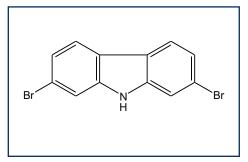


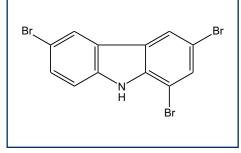
**CCZ-36** 

CCZ-1368

CCZ-2367



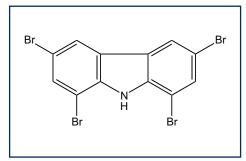


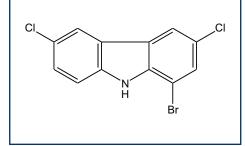


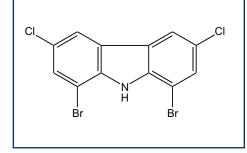
BCZ-3

**BCZ-27** 

BCZ-136







**BCZ-1368** 

1-B-36-CCZ

18-B-36-CCZ