Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com

DATASHEET

1,2,3,4,5,6-Hexabromocyclohexane

Product overview

Name	1,2,3,4,5,6-Hexabromocyclohexane
Cat No	HB1428
Alternative names	Hex; HBC; NSC 7908
Biological action	Inhibitor
Description	Potent, selective JAK2 inhibitor

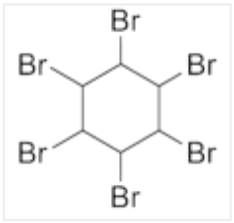
Biological Data

Biological description	Potent and selective JAK2 tyrosine kinase inhibitor, inhibits autophosphorylation of JAK2. Shows apoptotic actions

Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in DMSO (10mM, gentle warming)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	1,2,3,4,5,6-Hexabromocyclohexane
Molecular Weight	557.54
Chemical structure	
Molecular Formula	$C_6H_6Br_6$
CAS Number	1837-91-8
PubChem identifier	74603
SMILES	BrC1C(C(C(C(C1Br)Br)Br)Br)Br
InChiKey	QFQZKISCBJKVHI-UHFFFAOYSA-N

References

Identification of 1,2,3,4,5,6-hexabromocyclohexane as a small molecule inhibitor of jak2 tyrosine kinase autophosphorylation [correction of autophophorylation].

Sandberg EM *et al* (2005) J Med Chem 48(7)
PubMedID 15801842

Growth hormone-stimulated insulin-like growth factor-1 expression in rainbow trout (Oncorhynchus mykiss) hepatocytes is

mediated by ERK, PI3K-AKT, and JAK-STAT.

Reindl KM *et al* (2011) Am J Physiol Regul Integr Comp Physiol 301(1)
PubMedID 21490369

Jak2 inhibition deactivates Lyn kinase through the SET-PP2A-SHP1 pathway, causing apoptosis in drug-resistant cells from chronic myelogenous leukemia patients.

Samanta AK *et al* (2009) Oncogene 28(14)
PubMedID 19234487