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

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

customercare-usa@hellobio.com

DATASHEET

K252c

Product overview

Name	K252c
Cat No	HB0353
Alternative names	Staurosporinone
Biological action	Inhibitor
Purity	>99%
Description	PKC inhibitor

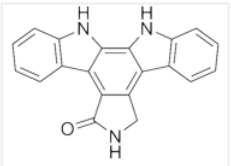
Biological Data

Biological description	Protein kinase C (PKC) inhibitor with selectivity over protein kinase A (IC_{50} value = 214 nM at PKC). Inhibits β-lactamase, malate dehydrogenase and chymotrypsin (IC50 values are 8, 8 and 10 µM respectively). Inhibits human cytomegalovirus and amyloid β fibrillization. Shows cytotoxic and anti-tumor actions.

Solubility & Handling

Storage instructions	-20°C
Solubility overview	Soluble in DMSO (25mM)
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	6,7,12,13-Tetrahydro-5*H*-indolo[2,3-*a*]pyrrolo[3,4-*c*]carbazol-5-one
Molecular Weight	311.34
Chemical structure	
Molecular Formula	$C_{20}H_{13}N_3O$
CAS Number	85753-43-1
PubChem identifier	3815
SMILES	O=C(NC3)C1=C3C(C4=CC=CC=C4N5)=C5C2=C1C6=C(C=CC=C6)N2
InChiKey	MEXUTNIFSHFQRG-UHFFFAOYSA-N

References

Protein kinase C inhibitors; structure-activity relationships in K252c-related compounds.

Fabre S *et al* (1993) Bioorg Med Chem 1(3)
PubMedID 8081852

Indolocarbazoles exhibit strong antiviral activity against human cytomegalovirus and are potent inhibitors of the pUL97 protein kinase.

Zimmermann A *et al* (2000) Antiviral Res 48(1)
PubMedID 11080540

Kinase inhibitors: not just for kinases anymore.

McGovern SL *et al* (2003) J Med Chem 46(8)
PubMedID 12672248

K-252b, c and d, potent inhibitors of protein kinase C from microbial origin.

Nakanishi S *et al* (1986) J Antibiot (Tokyo) 39(8)
PubMedID 3759658