

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

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

customer-care-usa@m2stage.hellobio.com



DATASHEET

SKA 31

Product overview

Name	SKA 31
Cat No	HB1050
Biological action	Activator
Purity	>99%
Description	K _{Ca} 3.1 channel / K _{Ca} 2 channel subfamily activator

Images



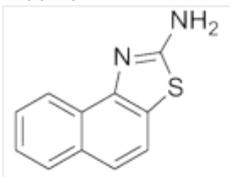
Biological Data

Biological description	K _{Ca} 3.1 channel (EC ₅₀ = 260 nM) and K _{Ca} 2 subfamily activator (EC ₅₀ values are 2.9, 1.9 and 2.9 μM for K _{Ca} 2.1, K _{Ca} 2.2 and K _{Ca} 2.3 channels respectively). Displays vasodilation and antihypertensive properties.
-------------------------------	--

Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in DMSO (100mM) or ethanol (100mM)
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	Naphtho[1,2-d]thiazol-2-ylamine
Molecular Weight	200.26
Chemical structure	

Molecular Formula	C ₁₁ H ₈ N ₂ S
CAS Number	40172-65-4

Chemical name	Naphtho[1,2-d]thiazol-2-ylamine
PubChem identifier	94880
SMILES	<chem>NC3=NC2=C(S3)C=CC1=CC=CC=C12</chem>
InChiKey	FECQXVPRUCCUIL-UHFFFAOYSA-N

References

Activation of KCa3.1 by SKA-31 induces arteriolar dilatation and lowers blood pressure in normo- and hypertensive connexin40-deficient mice.

Radtke J *et al* (2013) *Br J Pharmacol* 170(2)
PubMedID [23734697](#)

Naphtho[1,2-d]thiazol-2-ylamine (SKA-31), a new activator of KCa2 and KCa3.1 potassium channels, potentiates the endothelium-derived hyperpolarizing factor response and lowers blood pressure.

Sankaranarayanan A *et al* (2009) *Mol Pharmacol* 75(2)
PubMedID [18955585](#)

SKA-31, a novel activator of SK(Ca) and IK(Ca) channels, increases coronary flow in male and female rat hearts.

Mishra RC *et al* (2013) *Cardiovasc Res* 97(2)
PubMedID [23118129](#)
