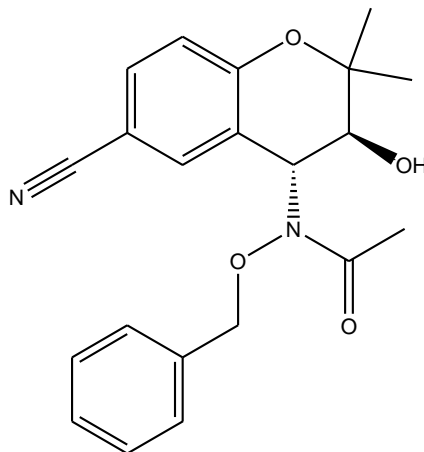


Y-27152

Cat # NB-48-0972



Product Information

Batch No.:	0549BN/01
Chemical Name:	<i>N</i> -[(3 <i>S</i> ,4 <i>R</i>)-6-Cyano-3,4-dihydro-3-hydroxy-2,2-dimethyl-2 <i>H</i> -1-benzopyran-4-yl]- <i>N</i> -(phenylmethoxy)acetamide
Batch Molecular Formula:	C ₂₁ H ₂₂ N ₂ O ₄
Batch Molecular Weight:	366.41
CAS No.:	[127408-30-4]
Physical Appearance:	White solid
Storage:	RT

Solvent and solubility

Soluble to 25 mM in DMSO or to 5 mM in ethanol

Biological activity

Prodrug of the KATP channel opener Y-26763 (Cat. No. NB-48-0971). Inactive in vitro, it fails to modify tension in contracted aortic rings at concentrations up to 1 μM. Active in vivo, it produces long-lasting antihypertensive effects with minimal tachycardia.

References

1. Nakajima et al. (1992) J Pharmacol Exp Ther 261:730
2. Uematsu et al. (1996) J Clin Pharmacol 36:439
3. Fukunari et al. (1997) Eur J Pharmacol 323:197

For Research use only. Not for human use

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Analytical data

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: HPLC Assay: > 98% (complies).