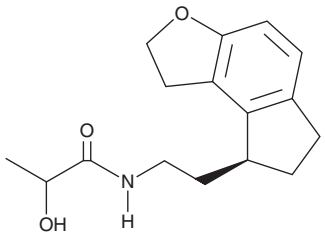
PRODUCT INFORMATION

(R,S)-hydroxy Ramelteon Metabolite M-II

Item No. 33897

CAS Registry No.:	896736-21-3
Formal Name:	2-hydroxy-N-[2-[(8S)-1,6,7,8-tetrahydro-2H-indeno[5,4-b]furan-8-yl]ethyl]-propanamide
MF:	$C_{16}H_{21}NO_3$
FW:	275.3
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

(R,S)-hydroxy Ramelteon metabolite M-II is supplied as a solid. A stock solution may be made by dissolving the (R,S)-hydroxy ramelteon metabolite M-II in the solvent of choice, which should be purged with an inert gas. (R,S)-hydroxy Ramelteon metabolite M-II is soluble in methanol, DMSO, and acetonitrile.

Description

(R,S)-hydroxy Ramelteon metabolite M-II is a mixed isomer preparation of the melatonin receptor agonist ramelteon metabolite M-II, which is a metabolite of ramelteon (Item No. 20389).[1,2] It has an (R,S) configuration at the hydroxy group, where ramelteon metabolite M-II has the (S) configuration at that position.

References

1. Nishiyama, K., Nishikawa, H., Kato, K., *et al.* Pharmacological characterization of M-II, the major human metabolite of ramelteon. *Pharmacology* **93(3-4)**, 197-201 (2014).
2. Nishiyama, K. and Hirai, K. *In vitro* comparison of duration of action of melatonin agonists on melatonin MT_1 receptor: Possible link between duration of action and dissociation rate from receptor. *Eur. J. Pharmacol.* **757**, 42-52 (2015).

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