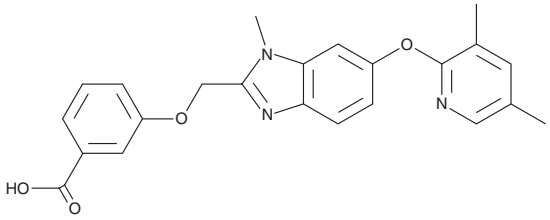
PRODUCT INFORMATION

DS-6930

Item No. 46506

CAS Registry No.:	1242328-82-0
Formal Name:	3-[[6-[(3,5-dimethyl-2-pyridinyl)oxy]-1-methyl-1H-benzimidazol-2-yl]methoxy]-benzoic acid
MF:	$C_{23}H_{21}N_3O_4$
FW:	403.4
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

DS-6930 is supplied as a solid. A stock solution may be made by dissolving the DS-6930 in the solvent of choice, which should be purged with an inert gas. DS-6930 is sparingly soluble (1-10 mg/ml) in DMSO.

Description

DS-6930 is an agonist of peroxisome proliferator-activated receptor γ (PPARγ).[1] It is selective for PPARγ over PPARα in reporter assays (EC_{50}s = 41 and >10,000 nM, respectively). DS-6930 (3 mg/kg) reduces plasma glucose levels and body weight gain in Zucker diabetic fatty (ZDF) rats. It also inhibits viral replication in Vero E6 cells infected with severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2; EC_{50} = 0.36 µM).[2]

References

1. Shinozuka, T., Tsukada, T., Fujii, K., *et al.* Discovery of DS-6930, a potent selective PPARγ modulator. Part II: Lead optimization. *Bioorg. Med. Chem.* **26(18)**, 5099-5117 (2018).
2. Riva, L., Yuan, S., Yin, X., *et al.* Discovery of SARS-CoV-2 antiviral drugs through large-scale compound repurposing. *Nature* **586(7827)**, 113-119 (2020).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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