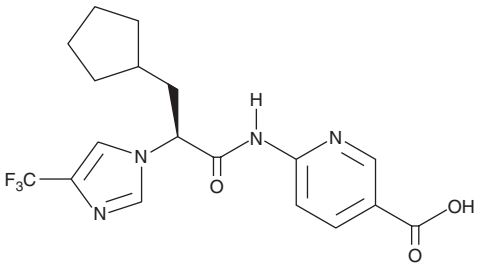
PRODUCT INFORMATION

PF-04991532

Item No. 17683

CAS Registry No.:	1215197-37-7
Formal Name:	6-[[(2S)-3-cyclopentyl-1-oxo-2-[4-(trifluoromethyl)-1H-imidazol-1-yl]propyl]amino]-3-pyridinecarboxylic acid
MF:	$C_{18}H_{19}F_3N_4O_3$
FW:	396.4
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

PF-04991532 is supplied as a solid. A stock solution may be made by dissolving the PF-04991532 in the solvent of choice, which should be purged with an inert gas. PF-04991532 is slightly soluble (0.1-1 mg/ml) in ethanol and sparingly soluble (1-10 mg/ml) in DMSO.

Description

PF-04991532 is a hepatoselective glucokinase activator (EC_{50} = 90 nM in a cell-free assay using the recombinant human enzyme).[1] It increases 2-deoxyglucose uptake and decreases glucose production in isolated rat hepatocytes (EC_{50}s = 1.261 and 0.626 µM, respectively).[2] PF-04991532 reduces fasting and postprandial plasma glucose levels in rat models of type 2 diabetes.[1,2]

References

1. Pfefferkorn, J.A., Guzman-Perez, A., Litchfield, J., *et al.* Discovery of (*S*)-6-(3-cyclopentyl-2-(4-(trifluoromethyl)-1*H*-imidazol-1-yl)propanamido)nicotinic acid as a hepatoselective glucokinase activator clinical candidate for treating type 2 diabetes mellitus. *J. Med. Chem.* **55(3)**, 1318-1333 (2012).
2. Erion, D.M., Lapworth, A., Amor, P.A., *et al.* The hepatoselective glucokinase activator PF-04991532 ameliorates hyperglycemia without causing hepatic steatosis in diabetic rats. *PLoS One* **9(5)**, 1-9 (2014).

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
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