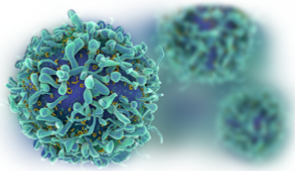

PPARG Protein Crystal

Catalog: CBCRY34

PRODUCT INFORMATION

Name	PPARG Protein Crystal
Cat No.	CBCRY34
Fragment	Ligand binding domain
Protein Description	Peroxisome Proliferator-activated Receptor Gamma
Background	PPARG regulates fatty acid storage and glucose metabolism. Many insulin sensitizing drugs used in the treatment of diabetes target PPARG as a means to lower serum glucose without increasing pancreatic insulin secretion. The genes activated by PPARG stimulate lipid uptake and adipogenesis by fat cells. PPARG knockout mice fail to generate adipose tissue when fed a high fat diet.
Protein Classification	transcription
Structure Weight	34246.95 Da
Method	X-Ray Diffraction
Resolution	2.27Å
Ligand Chemical Component	ZAA
Reference	Zhang, H., Ryono, D.E., Devasthale, P., Wang, W., O`Malley, K., Farrelly, D., Gu, L., Harrity, T., Cap, M., Chu, C., Locke, K., Zhang, L., Lippy, J., Kunselman, L., Morgan, N., Flynn, N., Moore, L., Hosagrahara, V., Zhang, L., Kadiyala, P., Xu, C., Doweyko, A.M., Bell, A., Chang, C., Muckelbauer, J., Zahler, R., Hariharan, N., Cheng, P.T. (2009) Design, synthesis and structure-activity relationships of azole acids as novel, potent dual PPAR alpha/gamma agonists. Bioorg

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