



PPARG Protein Crystal

Catalog: CBCRY34

PRODUCT INFORMATION

Product Name	PPARG Protein Crystal
Catalog Number	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
PDBID	3BC5
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., Doweiko, 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
cDNA Length	888

USAGE GUIDELINES

General Handling	Avoid excessive mixing or vortexing to prevent aggregation. Long-term storage above -80°C may result in aggregate formation. Thaw on ice before use.
Storage	Short term: +2°C to +8°C (up to 1 week) Long term: -80°C (stable for 12 months)
Stability	Stable for 12 months at -80°C. Avoid repeated freeze-thaw cycles.
Freeze / Thaw	Can be frozen, but limit to ?3 freeze/thaw cycles to maintain particle integrity.

Important: This product is for **research use only**. Not intended for diagnostic or therapeutic applications. Please refer to the Safety Data Sheet (SDS) for complete handling and safety information.