



Product Information

Lipase inhibitor, JW-642, Purity $\geq 98\%$

Cat. No.: X24-09-YM396

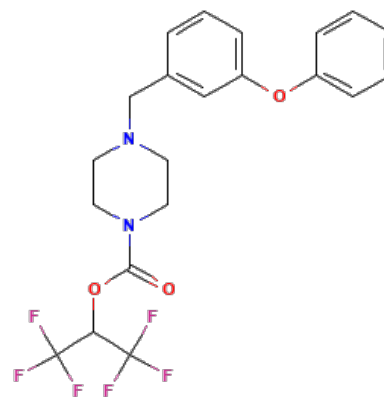
Size: 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 1416133-89-5

Compound CID: 71656520

Synonym: 1416133-89-5; JW 642; JW642; 1,1,1,3,3,3-Hexafluoropropan-2-yl 4-(3-phenoxybenzyl)piperazine-1-carboxylate; 1,1,1,3,3,3-Hexafluoropropan-2-yl 4-[(3-phenoxyphenyl)methyl]piperazine-1-carboxylate; Lipase inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

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|--------------------------|---|
| Description | JW-642 is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting lipase. The molecular weight of the compound is 462.4, and its molecular formula is $C_{21}H_{20}F_6N_2O_3$. |
| Molecular Weight | 462.4 |
| Molecular Formula | $C_{21}H_{20}F_6N_2O_3$ |
| IUPAC Name | 1,1,1,3,3,3-Hexafluoropropan-2-yl 4-[(3-phenoxyphenyl)methyl]piperazine-1-carboxylate |
| InChI | InChI=1S/C21H20F6N2O3/c22-20(23,24)18(21(25,26)27)32-19(30)29-11-9-28(10-12-29)14-15-5-4-8-17(13-15)31-16-6-2-1-3-7-16/h1-8,13,18H,9-12,14H2 |
| InChI Key | AVSCNEOUWSVZEY-UHFFFAOYSA-N |
| Canonical SMILES | <chem>C1CN(CCN1CC2=CC(=CC=C2)OC3=CC=CC=C3)C(=O)OC(C(F)(F)F)C(F)(F)F</chem> |
| Form | Lyophilized powder |
| Purity | $\geq 98\%$ |
| Impurities | Free from inappropriate visible particulates, foreign matter, discoloration, or other defects. |
| Identity | Confirmed by NMR/HPLC/MS. |
| Stability | In its lyophilized form, the chemical remains stable for 36 months. |
| Quality Level | Research grade |
| Applications | JW-642 can be studied extensively for its potential therapeutic applications in the treatment of obesity and metabolic disorders. |
| Storage | Store at -20°C , and keep desiccated. |