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Produktinformation



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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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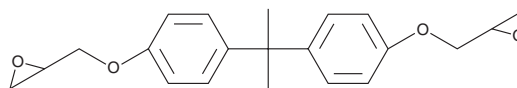
PRODUCT INFORMATION



BADGE

Item No. 70790

CAS Registry No.: 1675-54-3
Formal Name: 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-oxirane
Synonyms: Bisphenol A diglycidyl ether, DGEBA, NSC 5022
MF: C₂₁H₂₄O₄
FW: 340.4
Purity: ≥85%
UV/Vis.: λ_{max}: 228, 277, 283 nm
Supplied as: A neat oil
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

BADGE is supplied as a neat oil. A stock solution may be made by dissolving the BADGE in the solvent of choice, which should be purged with an inert gas. BADGE is miscible in organic solvents such as ethanol, DMSO, and dimethyl formamide.

Description

PPAR γ is a ligand-activated transcription factor involved in the regulation of lipid homeostasis and may function as a master regulator of adipogenesis.¹⁻⁴ Ligands for PPAR γ include antidiabetic drugs of the thiazolidinedione structural class, 15-deoxy- $\Delta^{12,14}$ -prostaglandin J₂ (Item No. 18570), and NSAIDs.⁵⁻⁸ BADGE is a synthetic compound used in the production of polycarbonate and industrial plastics. This compound was recently identified as an antagonist of PPAR γ .⁹ BADGE binds to PPAR γ with an apparent K_d of 100 μ M and interferes with the ability of 3T3-L1 and 3T3-F442A cells to undergo hormone-mediated cell differentiation.⁹

References

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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.

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