

Product Name	: Fast Green FCF
Synonyms	: FD&C Green No. 3; Food green 3; C.I. 42053
Cat No.	: M20942
CAS Number	: 2353-45-9
Molecular Formula	: C ₃₇ H ₃₄ N ₂ Na ₂ O ₁₀ S ₃
Formula Weight	: 808.85
Chemical Name	: 3-((ethyl((1Z)-4-((4-(ethyl(3-sulfobenzyl)amino)phenyl)(4-hydroxy-2-sulfophenyl)methylene)cyclohexa-2,5-dien-1-ylidene)ammonio)methyl)benzenesulfonate disodium salt
Description	: Fast Green FCF a safe biocompatible color additive has been suggested to mitigate chronic pain.
Pathway	: Others
Target	: Other Targets
Receptor	: Others
Solubility	: H ₂ O: 10 mg/mL (12.36 mM; Need ultrasonic)
SMILES	: <chem>CCN(Cc1cccc(S(=O)(=O)[O-])c1)c1ccc(C(=C2C=CC(=[N+](CC)Cc3cccc(S(=O)(=O)[O-])c3)C=C2)c2ccc(O)cc2S(=O)(=O)[O-])cc1.[Na+].[Na+]</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Jing Yang Rongjun Liu Fan Luet al. Fast Green FCF Attenuates Lipopolysaccharide-Induced Depressive-Like Behavior and Downregulates TLR4/Myd88/NF-κB Signal Pathway in the Mouse Hippocampus. *Front Pharmacol* 10:501 (2019) May 8 eCollection 2019