

Product Information

Efaproxiral, Purity ≥98%

Cat. No.: X24-09-YM1154

Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 131179-95-8

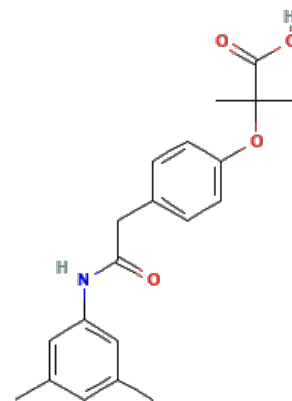
Compound CID: 122335

Synonym: 131179-95-8; RSR13; Efaproxyn;

2-(4-(2-((3,5-Dimethylphenyl)amino)-2-oxoethyl)phenoxy)-2-methylpropanoic acid;

2-[4-[2-(3,5-Dimethylanilino)-2-oxoethyl]phenoxy]-2-methylpropanoic acid

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



Product Information

Description	Efaproxiral is a synthetic, small-molecule allosteric modifier of hemoglobin. The molecular weight of the compound is 341.4, and its molecular formula is C ₂₀ H ₂₃ NO ₄ .
Molecular Weight	341.4
Molecular Formula	C ₂₀ H ₂₃ NO ₄
IUPAC Name	2-[4-[2-(3,5-Dimethylanilino)-2-oxoethyl]phenoxy]-2-methylpropanoic acid
InChI	InChI=1S/C20H23NO4/c1-13-9-14(2)11-16(10-13)21-18(22)12-15-5-7-17(8-6-15)25-20(3,4)19(23)24/h5-11H,12H2,1-4H3,(H,21,22)(H,23,24)
InChI Key	BNFRJXLZYUTIII-UHFFFAOYSA-N
Canonical SMILES	CC1=CC(=CC(=C1)NC(=O)CC2=CC=C(C=C2)OC(C)(C)C(=O)O)C
Isomeric SMILES	CC(C)(C)C(/C=C/C1=CC2=C(C=C1)OCO2)O
Form	Lyophilized powder
Purity	≥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	Efaproxiral plays a key role in enhancing the availability of free oxygen in the tissues.
Storage	Store at -20°C, and keep desiccated.