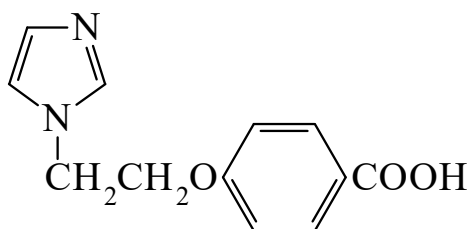




>>Entry Name: **Dazoxiben**, BAN, INN

Synonym(s): 4-[2-(1*H*-Imidazol-1-yl)ethoxy]benzoic acid, 9CI. UK 37248



CAS Registry Number: 78218-09-4

Molecular Formula: C₁₂H₁₂N₂O₃

Molecular Weight: 232.238

Accurate Mass: 232.084793

Percentage Composition: C 62.06%; H 5.21%; N 12.06%; O 20.67%

Use/Importance: Thromboxane (TxA₂) synthetase inhibitor; antithrombotic agent. Haemostatic agent. Platelet aggregation inhibitor

Development Status: Never marketed

Calculated Log P Data: Log P 1.71 (calc)

>>Derivative: Hydrochloride

Synonym(s): **Dazoxiben hydrochloride**, USAN

CAS Registry Number: 74226-22-5

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 230-235° (239-241°)

Hazard & Toxicity: LD₅₀ (mus, ivn) 787 mg/kg

References:

Ger. Pat., 1980, *Pfizer*, 2 950 019; *CA*, **94**, 15731d, (*synth, pharmacol*)

Iizuka, K. *et al.*, *J. Med. Chem.*, 1981, **24**, 1139; 1985, **28**, 1427, (*synth, pharmacol*)

Stopher, D.A. *et al.*, *Xenobiotica*, 1981, **11**, 849, (*hplc*)

Tyler, H.M., *Br. J. Clin. Pharmacol.*, 1983, **15**, 135, (*rev, pharmacol*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 225