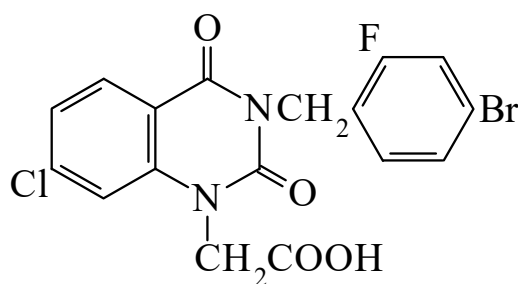




>>Entry Name: **Zenarestat**, INN, USAN

Synonym(s): 3-[(4-Bromo-2-fluorophenyl)methyl]-7-chloro-3,4-dihydro-2,4-dioxo-1(2*H*)-quinazolineacetic acid, 9Cl. Fenarestat. FR 74366. FK 366



CAS Registry Number: 112733-06-9

Related CAS Registry Numbers(s): 112733-11-6

Molecular Formula: C₁₇H₁₁BrClFN₂O₄

Molecular Weight: 441.64

Accurate Mass: 439.977474

Percentage Composition: C 46.23%; H 2.51%; Br 18.09%; Cl 8.03%; F 4.30%; N 6.34%; O 14.49%

Use/Importance: Aldose reductase inhibitor. Investigated for treatment of diabetic complications

Melting Point: Mp 223-224°

Calculated Log P Data: Log P 3.21 (uncertain value) (calc)

References:

Eur. Pat., 1987, *Fujisawa Pharm*, 218 999; *CA*, **108**, 75411s, (*synth, pharmacol*)

Ao, S. *et al.*, *Int. Congr. Ser. Excerpta Med.*, 1990, **913**, 81; 221, (*rev*)

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Tanaka, Y. *et al.*, *Xenobiotica*, 1992, **22**, 57, (*metab, exp*)

Tanaka, Y. *et al.*, *Drug Metab. Dispos.*, 1993, **21**, 677, (*pharmacokinet, rat*)

Tanaka, Y. *et al.*, *J. Pharm. Pharmacol.*, 1994, **46**, 235, (*metab, human*)