



Synonym(s): Sodium diprotrizoate, BAN, INN. Miokon-Sodium

CAS Registry Number: 129-57-7

Development Status: No longer marketed

>>**Derivative:** *N*-Me, *N,N'*-di-Ac

Synonym(s): 3-(Acetylamino)-5-(acetylmethylamino)-2,4,6-triiodobenzoic acid, 9Cl. **Metrizoic acid**. TO 096

CAS Registry Number: 1949-45-7

Molecular Formula: C₁₂H₁₁I₃N₂O₄

Molecular Weight: 627.943

Accurate Mass: 627.785302

Percentage Composition: C 22.95%; H 1.77%; I 60.63%; N 4.46%; O 10.19%

Melting Point: Mp 281-282°

>>**Derivative:** *N*-Me, *N,N'*-di-Ac, Na salt

Synonym(s): Sodium metrizoate, BAN, INN. Metrizoate sodium, USAN. Isopaque. Triosil. NSC 107431

CAS Registry Number: 7225-61-8

Use/Importance: Radiopaque substance

Sigma: M4762

>>**Derivative:** *N*-Ac, *N'*-(hydroxyacetyl)

Synonym(s): 3-(Acetylamino)-5-[(hydroxyacetyl)amino]-2,4,6-triiodobenzoic acid, 9Cl. 3-Acetamido-5-glycolamido-2,4,6-triiodobenzoic acid, 8Cl. **Ioxotrizoic acid**, INN, USAN. SHH 248AB

CAS Registry Number: 19863-06-0

Molecular Formula: C₁₁H₉I₃N₂O₅

Molecular Weight: 629.916

Accurate Mass: 629.764567

Percentage Composition: C 20.97%; H 1.44%; I 60.44%; N 4.45%; O 12.70%

Use/Importance: Diagnostic aid, radiopaque medium

Development Status: Never marketed

Melting Point: Mp 249-251.5 dec.°

>>**Derivative:** *N*-Ac, *N'*-(2-hydroxypropanoyl)

Synonym(s): 5-Acetamido-*N*-[[[(2-hydroxyethyl)amino]carbonyl]-2,4,6-triiodobenzoic acid, 9Cl. 5-Acetamido-*N*-(2-hydroxyethyl)-2,4,6-triiodoisophthalamide acid, 8Cl. **Ioxitalamide acid**, INN. Agelix. Telebrix. Vasobrix. AG 5895. AG 58107

CAS Registry Number: 28179-44-4

Molecular Formula: C₁₂H₁₁I₃N₂O₅

Molecular Weight: 643.943

Accurate Mass: 643.780217

Percentage Composition: C 22.38%; H 1.72%; I 59.12%; N 4.35%; O 12.42%

Use/Importance: Diagnostic aid, radiopaque medium

Melting Point: Mp 349°

References:

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Cassebaum, H. *et al.*, *Pharmazie*, 1966, **21**, 167, (*synth, pharmacol*)

Ger. Pat., 1968, 1 260 477; *CA*, **69**, 35756c, (*Ioxotrizoic acid*)

Fr. Pat., 1969, M6777; *CA*, **74**, 125223j, (*Ioxitalamide acid*)

Ger. Pat., 1972, 2 118 219; *CA*, **78**, 20204h, (*Ioxotrizoic acid*)

Lerner, H.H., *Anal. Profiles Drug Subst.*, 1975, **4**, 137

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., *Akademie-Verlag*, 1987, 1824, (*synonyms*)

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T}onessen, L.E. *et al.*, *Acta Chem. Scand.*, 1996, **50**, 603-608, (*cryst struct, sodium triazoate*)

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